

Opasraportti

UniOGS, Graduate School (2012 - 2013)

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Tutkintorakenteet

Doctor of Technology, Industrial Engineering and Management

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
920001J: Introduction to Doctoral Training, 1 op
920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (180 op)

550001J: Industrial Engineering and Management, thesis, 0 op

Doctor of Science (Economics and Business Administration)

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in management or international business may be required to take up to 0-28 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (42 - 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

722590J: MAN&ORG, Doctoral Dissertation, 0 op

Doctor of Medical Science, Anaesthesiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Technology, Process Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

470001J: Process Engineering, thesis, 0 op

Doctor of Technology, Photonics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy (920005J).

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Technology, Electronics Design

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Technology, Electronics Materials and Components

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Technology, Technical Mathematics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Technology, Automotive & Machine Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Machine Design

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Materials Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Mechatronics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Machine Diagnostic

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Structural Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy (920005J).

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Construction Technology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Technical Mechanics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Production Technology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Technology, Computer Science and Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

521001J: Information Engineering, thesis, 0 op

Doctor of Technology, Communications Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 19-27 credits.

521318S Modern Topics in Telecommunications and Radio Engineering at least 5 credits

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

522001J: Telecommunication Engineering, thesis, 0 op

Doctor of Technology, Environmental Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

480001J: Environmental Engineering, thesis, 0 op

Doctor of Technology, Architecture

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

450001J: Architecture, thesis, 0 op

Doctor of Science, International Business

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in management or international business may be required to take up to 0-28 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (42 - 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

722690J: IB, Doctoral Dissertation, 0 op

Doctor of Science, Economics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

722390J: ECON, Doctoral Dissertation, 0 op

Doctor of Science, Accounting

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

722190J: ACC, Doctoral Dissertation, 0 op

Doctor of Science, Marketing

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in marketing or logistics may be required to take up to 0-33 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (41 - 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

722490J: MAR, Doctoral Dissertation, 0 op

Doctor of Science, Logistics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in logistics may be required to take up to 0-33 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (41 - 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

722790J: LOG, Doctoral dissertation, 0 - 180 op

Doctor of Science, Finance

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

The student have to get a course 721339S Ekonometria 6 credits, if it is not included in his/her master's degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 46 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

722990J: FIN, Doctoral dissertation, 0 op

Doctor of Philosophy (Education)

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy (Education), Educational Psychology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)**Teaching tasks**

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy (Education), Music Education

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)**Teaching tasks**

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy, Biochemistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

Students without a background in biochemistry may be required to take up to 40 credits of bridging studies. These studies will be selected based on the individual background of the student by the supervisor and student and should be the minimum required to give the student sufficient background in biochemistry. The plan for the bridging studies (where necessary) should be accepted by the departmental research planning committee.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

748615J: Ph.D. Thesis in Biochemistry, 0 - 180 op

Doctor of Philosophy, Animal Ecology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

755614J: Introductory essay of Ph. D. research, 4 op

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

755617J: Ph.D. thesis in animal ecology, 180 op

Doctor of Philosophy, Plant Ecology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

755614J: Introductory essay of Ph. D. research, 4 op

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

756635J: Ph.D. thesis in plant ecology, 180 op

Doctor of Philosophy, Animal Physiology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

755614J: Introductory essay of Ph. D. research, 4 op

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

755619J: Ph.D. thesis in animal physiology, 180 op

Doctor of Philosophy, Plant Physiology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

755614J: Introductory essay of Ph. D. research, 4 op
 920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

756637J: Ph.D. thesis in plant physiology, 180 op

Doctor of Philosophy, Genetics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

755614J: Introductory essay of Ph. D. research, 4 op
 920004J: Research Plan and Seminar, 4 op
Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

757609J: Ph.D. thesis in genetics, 180 op

Doctor of Philosophy, Biophysics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

Students without a background in physics may be required to take up to 20 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 8 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

764602J: Ph.D. Thesis in Biophysics, 0 op

Doctor of Philosophy, Physics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in physics may be required to take up to 20 credits of bridging studies.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 8 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

766602J: Ph.D. Thesis in Physics, 0 op

Doctor of Philosophy, Geophysics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in physics may be required to take up to 20 credits of bridging studies.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 8 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

762602J: Ph.D. Thesis in Geophysics, 0 op

Doctor of Philosophy, Theoretical Physics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in physics may be required to take up to 20 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 8 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

763602J: Ph.D. Thesis in Theoretical Physics, 0 op

Doctor of Philosophy, Astronomy

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in physics may be required to take up to 20 credits of bridging studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 8 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

765602J: Ph.D. Thesis in Astronomy, 0 op

Doctor of Philosophy, Geology and Minerology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 5 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in geology may be required to take up to 15 credits of bridging studies.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (24 - 30 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

771603J: Ph. D. thesis, 0 op

Doctor of Philosophy, Geology of the Soil

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 5 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in geology may be required to take up to 15 credits of bridging studies.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (24 - 30 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

771603J: Ph. D. thesis, 0 op

Doctor of Philosophy, Inorganic Chemistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 180 op)

785610J: Ph.D. Thesis in Inorganic Chemistry, 0 op

Doctor of Philosophy, Physical Chemistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

786610J: Ph.D. Thesis in Physical Chemistry, 0 op

Doctor of Philosophy, Organic Chemistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

787610J: Ph.D. Thesis in Organic Chemistry, 0 op

Doctor of Philosophy, Structural Chemistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (vähintään 180 op)

788610J: Ph.D. Thesis in Structural Chemistry, 0 op

Doctor of Philosophy, Geography

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in geography may be required to take up to 10 credits of bridging studies of history, development and the current debate of geography.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (16 - 21 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

793607J: Ph.D. thesis in geography, 0 op

Doctor of Philosophy, Mathematics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (31 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

800695J: Doctoral Thesis in Mathematics, 0 op

Doctor of Philosophy, Applied Mathematics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

920005J Basics of University Pedagogy for Doctoral Students -course is compulsory only, if student want to include 920006J Teaching tasks to his studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (31 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

801695J: Doctoral Thesis in Applied Mathematics, 0 op

Doctor of Philosophy, Statistics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (31 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 5 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

802695J: Doctoral Thesis in Statistics, 0 op

Doctor of Philosophy, Information Processing Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (30 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field specific studies can include:

Conference presentations (1 credit) max 3 credits

Pro gradu – supervising (1 credit) max 3 credits

Research work abroad leading to co-publication (1 credit) max 3 credits (the publication cannot be included to the doctoral thesis)

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

When the student has passed at least 2 credits of university pedagogical studies

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

816669J: Doctoral Thesis in Information Processing Science, 0 op

Doctor of Philosophy, History of Ideas and Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

702104J: Doctoral dissertation (History of Science and Ideas), 0 op

Doctor of Philosophy, Archaeology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

712004J: Doctoral dissertation (archaeology), 0 op

Doctor of Philosophy, English Philology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

692004J: Doctoral dissertation (English), 0 op

Doctor of Philosophy, German Philology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

696004J: Doctoral Dissertation (German Language and Culture), 0 op

Doctor of Philosophy, History

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

700442J: Doctoral dissertation (History), 0 op

Doctor of Philosophy, Information Studies

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

850004J: Doctoral dissertation (information Studies), 0 op

Doctor of Philosophy, Literature

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

711104J: Doctoral dissertation (literature), 0 op

Doctor of Philosophy, Cultural Anthropology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

713104J: Doctoral dissertation (Cultural anthropology), 0 op

Doctor of Philosophy, Logopedics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

739004J: Doctoral Thesis (Logopedics), 0 op

Doctor of Philosophy, Nordic Philology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

687004J: Doctoral Dissertation (Swedish Language), 0 op

Doctor of Philosophy, Finnish Language

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

680004J: Doctoral dissertation (Finnish Language), 0 op

Doctor of Philosophy, Scientific Communications

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

694525J: Doctoral dissertation (Science Communication), 0 op

Doctor of Philosophy, Saami Language

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

682009J: Doctoral dissertation (Saami Language), 0 op

Doctor of Philosophy, Saami Culture

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (vähintään 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Doctoral Thesis (enintään 198 op)

682013J: Doctoral dissertation (Saami Culture), 0 op

Doctor of Philosophy, Caries and Root Treatment

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Dental development & orthodontics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Dental prosthetics & clinical physiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Pedodontics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Diagnostics & Oral Mucosa Diseases

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Oral & maxillofacial surgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Periodontics & Geriatric Dentistry

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Diagnostics & Oral Mucosa Diseases

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Dental prosthetics & clinical physiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Dental development & orthodontics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Caries and Root Treatment

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Pedodontics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Periodontics & Geriatric Dentistry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Oral & maxillofacial surgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Philosophy, Community Dentistry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Dental Science, Community Dentistry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis

046002J: Dentistry, thesis, 0 op

Doctor of Medical Science, Physiotherapy

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Dermatology & Venereology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Surgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Ear, Nose & Throat Diseases

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Paediatrics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Neurosurgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Neurology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Clinical Genetics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Psychiatry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Ophthalmology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Internal Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Obstetrics & Gynecology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Oncology & Radiotherapy

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Anaesthesiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Physiotherapy

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Dermatology & Venereology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Surgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Ear, Nose & Throat Diseases

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Paediatrics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Neurosurgery

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Neurology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Clinical Genetics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Psychiatry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Internal Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Ophthalmology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Obstetrics & Gynecology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Oncology & Radiotherapy

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Clinical Chemistry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Clinical Chemistry

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Medical Microbiology & Immunology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Medical Microbiology & Immunology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Forensic Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Pathology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Radiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Forensic Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Pathology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Radiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Anatomy & Cell Biology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Anatomy & Cell Biology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Pharmacology & Toxicology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Pharmacology & Toxicology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

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General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Physiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

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General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Physiology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

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General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Medical Biochemistry and Molecular Biology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Medical Biochemistry and Molecular Biology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Medical Technology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Medical Science, Medical Technology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Arctic Medicine (Health Science)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Medical Science, Arctic Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Geriatrics (health science)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Medical Science, Geriatrics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Nursing Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, Nursing Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Public Health Science (health science)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Medical Science, Public Health Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, Clinical Laboratory Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

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General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, Clinical Laboratory Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Radiography

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, Radiography

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Health Administration Sciences

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

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General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

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Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, Health Administration Sciences

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Occupational Health (health science)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Medical Science, Occupational Health

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Philosophy, General Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, General Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Industrial Engineering and Management

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (180 op)

550001J: Industrial Engineering and Management, thesis, 0 op

Doctor of Philosophy, Process Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

470001J: Process Engineering, thesis, 0 op

Doctor of Philosophy, Environmental Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

480001J: Environmental Engineering, thesis, 0 op

Doctor of Philosophy, Architecture

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

450001J: Architecture, thesis, 0 op

Doctor of Philosophy, Automotive & Machine Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Machine Design

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Materials Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Mechatronics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Machine Diagnostic

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Structural Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Construction Technology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy (920005J)..

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Technical Mechanics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Production Technology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

460001J: Mechanical Engineering, thesis, 0 op

Doctor of Philosophy, Photonics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

Depending on the major, a doctoral student may include teaching in his/her degree. In that case, he/she must have either formal pedagogy training, or follow a course of a minimum of 2 ECTS credits in higher education pedagogy (920005J).

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Philosophy, Electronics Design

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Philosophy, Electronics Materials and Components

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Philosophy, Technical Mathematics

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electrical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Philosophy, Computer Science and Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

521001J: Information Engineering, thesis, 0 op

Doctor of Philosophy, Communications Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (28 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 19-27 credits.

521318S Modern Topics in Telecommunications and Radio Engineering at least 5 credits

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

522001J: Telecommunication Engineering, thesis, 0 op

Doctor of Philosophy, Education

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy, Educational Psychology

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy, Music Education

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in education may be required to take up to 10 credits of bridging studies. Students without a background in education carry out a degree of "Doctor of Philosophy". Students, who have background in education carry out a "Doctor of Philosophy (Education)" degree.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (20 - 26 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching tasks (enintään 6 op)

Teaching tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 160 op)

419105J: Doctoral thesis, 0 op

Doctor of Philosophy, Arctic Medicine (Medicine)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Health Science, Arctic Medicine

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op
Compulsory
 920004J-01: Research Plan and Seminar, Research Plan, 3 op
 920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Geriatrics (medicine)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op
 920001J: Introduction to Doctoral Training, 1 op
 920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Health Science, Geriatrics

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Health Science, Public Health Science

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Public Health Science (medicine)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Health Science, Occupational Health

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

356001J: Health Sciences, thesis, 0 op

Doctor of Philosophy, Occupational Health (medicine)

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (vähintään 4 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (12 - 16 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (0 op)

046001J: Medicine, thesis, 0 op

Doctor of Technology, Electrical Engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Doctor of Philosophy, Electrical engineering

Tutkintorakenteen tila: published

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

General- and Transferable Skills Studies (4 - 8 op)

The objectives of general and transferable skills studies are to support planning and fulfillment of doctoral training, to develop research ethics and to support career management.

Students without a background in electronical engineering may be required to take up to 15 credits of bridging studies. The bridging studies will reduce the required field specific studies.

General- and Transferable Skills Studies

920007J: Follow-up Group Reporting and meetings, 1 op

920001J: Introduction to Doctoral Training, 1 op

920002J: Research ethics for doctoral students, 2 op

Field Specific Studies (32 - 36 op)

The objectives of field specific studies is to introduce students to the field, to support research and to promote employment after the degree.

Another Field Specific Studies 28-32 credits.

Field Specific Studies

920004J: Research Plan and Seminar, 4 op

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

920004J-02: Research Plan and Seminar, seminar, 1 op

Teaching Tasks (enintään 4 op)

When the student has passed at least 2 credits of university pedagogical studies.

Teaching Tasks

920006J: Teaching Tasks, 4 op

Doctoral Thesis (vähintään 180 op)

520001J: Electrical Engineering, thesis, 0 op

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

722130J: ACC, Major Subject Studies, 0 - 10 op
 722131J: ACC, Major Subject Studies, Financial Accounting, 0 - 10 op
 722132J: ACC, Major Subject Studies, Management Accounting, 0 - 10 op
 722133J: ACC, Major Subject Studies, Special Issue, 0 - 10 op
 722100J: ACC, Research Methodology, 0 - 10 op
 722101J: ACC, Research Methodology, Research Methods, 0 - 10 op
 722331J: ECON, Major Subject Studies, Macroeconomic Theory, 0 - 10 op
 722330J: ECON, Major Subject Studies, Microeconomic Theory, 0 - 10 op
 722332J: ECON, Major Subject Studies, Special Issues, 0 - 10 op
 722300J: ECON, Research Methodology, Methodology and History of Economic Thought, 0 - 10 op
 722301J: ECON, Research Methodology, Research Methods, 0 - 10 op
 722930J: FIN, Major Subject Studies, 0 op
 722901J: FIN, Research Methodology, Dissertation Analysis, 0 - 10 op
 722900J: FIN, Research Methodology, Methodology, 0 - 10 op
 722902J: FIN, Research Methodology, Research Methods, 0 - 10 op
 722630J: IB, Major Subject Studies, 0 - 10 op
 722631J: IB, Major Subject Studies, Specialisation Studies in International Business, 0 - 10 op
 722600J: IB, Research Methodology, 0 - 10 op
 722730J: LOG, Major Subject Studies, Logistics Theory and History, 0 - 10 op
 722732J: LOG, Major Subject Studies, Special Issue in Logistics, 0 - 10 op
 722731J: LOG, Major Subject Studies, Specialisation Studies in Logistics, 0 - 10 op
 722700J: LOG, Research Methodology, 0 - 10 op
 722530J: MAN&ORG, Major Subject Studies, Management Theory and History, 0 - 10 op
 722532J: MAN&ORG, Major Subject Studies, Special Issues in Management and Organization, 0 - 10 op
 722531J: MAN&ORG, Major Subject Studies, Specialisation Studies in Management and Organization, 0 - 10 op
 722500J: MAN&ORG, Research Methodology, 0 - 10 op
 722430J: MAR, Major subject studies, Marketing Theory and History, 0 - 10 op
 722432J: MAR, Major subject studies, Special Issues in Marketing, 0 - 10 op
 722431J: MAR, Major subject studies, Specialisation Studies in Marketing, 0 - 10 op
 722400J: MAR, Research Methodology, 0 - 10 op
 920010J: Scientific Communication, 0,5 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

550001J: Industrial Engineering and Management, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Industrial Engineering and Management

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

722590J: MAN&ORG, Doctoral Dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

470001J: Process Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Process and Environmental Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op****Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op****Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

521001J: Information Engineering, thesis, 0 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Computer Science and Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

522001J: Telecommunication Engineering, thesis, 0 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

480001J: Environmental Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Process and Environmental Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

450001J: Architecture, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Architecture

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

722690J: IB, Doctoral Dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op

766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

722390J: ECON, Doctoral Dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op

694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

722190J: ACC, Doctoral Dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

722490J: MAR, Doctoral Dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op**Voimassaolo:** 01.08.2012 - 31.07.2013**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

722790J: LOG, Doctoral dissertation, 0 - 180 op**Opiskelumuoto:** Post-graduate Studies**Laji:** Defence of the Ph. D. thesis**Vastuuyksikkö:** Oulu Business School**Arvostelu:** suor (pass), oiv (excellent), khy (excellent)**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op**Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

722990J: FIN, Doctoral dissertation, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Oulu Business School

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op

683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Education

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op

687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Education

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op

682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op**Voimassaolo:** 01.08.2005 -**Opiskelumuoto:** Post-graduate Studies**Laji:** Defence of the Ph. D. thesis**Vastuuyksikkö:** Faculty of Education**Arvostelu:** suor (pass), oiv (excellent), khy (excellent)**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op**Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op

693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
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046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

748615J: Ph.D. Thesis in Biochemistry, 0 - 180 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biochemistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

755614J: Introductory essay of Ph. D. research, 4 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Department of Biology

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

750659J Introductory essay of Ph. D. research 4.0 op

ECTS Credits:

4 cr.

Language of instruction:

English.

Timing:

Ph.D. 1st semester.

Learning outcomes:

Student learns about theories and recent progress of his/hers own research area.

Contents:

Theories, methodology and progress of a specific research area.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

Independent work.

Target group:

Ph.D. degree: compulsory.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

-

Recommended or required reading:

Literature related to the research topic.

Assessment methods and criteria:

Ten pages long essay in English.

Grading:

Pass / Fail.

Person responsible:

Professors, supervisors.

Working life cooperation:

No.

Other information:

-

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op

816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

755617J: Ph.D. thesis in animal ecology, 180 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biology

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Leikkaavuudet:

750671J Ph.D. thesis in biology 0.0 op

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition;

transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

755614J: Introductory essay of Ph. D. research, 4 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Department of Biology

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

750659J Introductory essay of Ph. D. research 4.0 op

ECTS Credits:

4 cr.

Language of instruction:

English.

Timing:

Ph.D. 1st semester.

Learning outcomes:

Student learns about theories and recent progress of his/hers own research area.

Contents:

Theories, methodology and progress of a specific research area.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

Independent work.

Target group:

Ph.D. degree: compulsory.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

-

Recommended or required reading:

Literature related to the research topic.

Assessment methods and criteria:

Ten pages long essay in English.

Grading:

Pass / Fail.

Person responsible:

Professors, supervisors.

Working life cooperation:

No.

Other information:

-

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

756635J: Ph.D. thesis in plant ecology, 180 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biology

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Leikkaavuudet:

750671J Ph.D. thesis in biology 0.0 op

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

755614J: Introductory essay of Ph. D. research, 4 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Department of Biology

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

750659J Introductory essay of Ph. D. research 4.0 op

ECTS Credits:

4 cr.

Language of instruction:

English.

Timing:

Ph.D. 1st semester.

Learning outcomes:

Student learns about theories and recent progress of his/hers own research area.

Contents:

Theories, methodology and progress of a specific research area.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

Independent work.

Target group:

Ph.D. degree: compulsory.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

-

Recommended or required reading:

Literature related to the research topic.

Assessment methods and criteria:

Ten pages long essay in English.

Grading:

Pass / Fail.

Person responsible:

Professors, supervisors.

Working life cooperation:

No.

Other information:

-

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	

470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

755619J: Ph.D. thesis in animal physiology, 180 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biology

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Leikkaavuudet:

750671J Ph.D. thesis in biology 0.0 op

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

755614J: Introductory essay of Ph. D. research, 4 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Department of Biology

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

750659J Introductory essay of Ph. D. research 4.0 op

ECTS Credits:

4 cr.

Language of instruction:

English.

Timing:

Ph.D. 1st semester.

Learning outcomes:

Student learns about theories and recent progress of his/hers own research area.

Contents:

Theories, methodology and progress of a specific research area.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

Independent work.

Target group:

Ph.D. degree: compulsory.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

-

Recommended or required reading:

Literature related to the research topic.

Assessment methods and criteria:

Ten pages long essay in English.

Grading:

Pass / Fail.

Person responsible:

Professors, supervisors.

Working life cooperation:

No.

Other information:

-

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op

700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

756637J: Ph.D. thesis in plant physiology, 180 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biology

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Leikkaavuudet:

750671J Ph.D. thesis in biology 0.0 op

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

755614J: Introductory essay of Ph. D. research, 4 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Department of Biology

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: English

Leikkaavuudet:

750659J Introductory essay of Ph. D. research 4.0 op

ECTS Credits:

4 cr.

Language of instruction:

English.

Timing:

Ph.D. 1st semester.

Learning outcomes:

Student learns about theories and recent progress of his/hers own research area.

Contents:

Theories, methodology and progress of a specific research area.

Mode of delivery:

Face-to-face teaching.

Learning activities and teaching methods:

Independent work.

Target group:

Ph.D. degree: compulsory.

Prerequisites and co-requisites:

No.

Recommended optional programme components:

-

Recommended or required reading:

Literature related to the research topic.

Assessment methods and criteria:

Ten pages long essay in English.

Grading:

Pass / Fail.

Person responsible:

Professors, supervisors.

Working life cooperation:

No.

Other information:

-

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op

694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

757609J: Ph.D. thesis in genetics, 180 op

Voimassaolo: - 31.07.2015

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Biology

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Leikkaavuudet:

750671J Ph.D. thesis in biology 0.0 op

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

764602J: Ph.D. Thesis in Biophysics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Physics

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

766602J: Ph.D. Thesis in Physics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Physics

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

762602J: Ph.D. Thesis in Geophysics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Physics

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

763602J: Ph.D. Thesis in Theoretical Physics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Physics

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

765602J: Ph.D. Thesis in Astronomy, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Physics

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

771603J: Ph. D. thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Geosciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J Teaching Tasks 0.0 op

ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

771603J: Ph. D. thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Geosciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

785610J: Ph.D. Thesis in Inorganic Chemistry, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Chemistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op

687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

786610J: Ph.D. Thesis in Physical Chemistry, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Chemistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.
Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opettajat:** Jarmo Pulkkinen**Opintokohteen kielet:** Finnish**ECTS Credits:**

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law**Grading:**

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op**Voimassaolo:** 01.08.2012 - 31.12.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Course**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

787610J: Ph.D. Thesis in Organic Chemistry, 0 op**Opiskelumuoto:** Post-graduate Studies**Laji:** Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Chemistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op

700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

788610J: Ph.D. Thesis in Structural Chemistry, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Chemistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

793607J: Ph.D. thesis in geography, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Geography

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

800695J: Doctoral Thesis in Mathematics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mathematical Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

801695J: Doctoral Thesis in Applied Mathematics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mathematical Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

802695J: Doctoral Thesis in Statistics, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mathematical Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

816669J: Doctoral Thesis in Information Processing Science, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Information Processing Science

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

702104J: Doctoral dissertation (History of Science and Ideas), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems

related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op

550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

712004J: Doctoral dissertation (archaeology), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op

816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

692004J: Doctoral dissertation (English), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op

750662J Research plan seminar 1.0 op

Ei opintojaksokuvauksia.

696004J: Doctoral Dissertation (German Language and Culture), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op

682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

700442J: Doctoral dissertation (History), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

850004J: Doctoral dissertation (information Studies), 0 op**Opiskelumuoto:** Post-graduate Studies**Laji:** Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op

700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

711104J: Doctoral dissertation (literature), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

713104J: Doctoral dissertation (Cultural anthropology), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems

related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op

550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

739004J: Doctoral Thesis (Logopedics), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op

816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

687004J: Doctoral Dissertation (Swedish Language), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op

750662J Research plan seminar 1.0 op

Ei opintojaksokuvauksia.

680004J: Doctoral dissertation (Finnish Language), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op

682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

694525J: Doctoral dissertatiotn (Science Communication), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Humanities

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , but who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar* .

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op**Voimassaolo:** 01.08.2013 - 31.07.2014**Opiskelumuoto:** Post-graduate Studies**Laji:** Partial credit**Vastuuyksikkö:** University of Oulu Graduate School, UniOGS**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

682009J: Doctoral dissertation (Saami Language), 0 op**Opiskelumuoto:** Post-graduate Studies**Laji:** Defence of the Ph. D. thesis

Vastuuyksikkö: Giellagas Institute for Saami Studies

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar* , or a *Research Seminar* .

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op

700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

682013J: Doctoral dissertation (Saami Culture), 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Giellagas Institute for Saami Studies

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046002J: Dentistry, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Dentistry

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
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419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
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683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
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520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. *Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.*

Compulsory

920004J-01: Research Plan and Seminar, Research Plan, 3 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

550001J: Industrial Engineering and Management, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Industrial Engineering and Management

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

470001J: Process Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Process and Environmental Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

480001J: Environmental Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Process and Environmental Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

450001J: Architecture, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Architecture

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

460001J: Mechanical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Mechanical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

521001J: Information Engineering, thesis, 0 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Computer Science and Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

522001J: Telecommunication Engineering, thesis, 0 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	1.0 op
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Education

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Education

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op	
460023J	Research Plan and Seminar, Seminar	1.0 op	
780614J	Research Plan and Seminar, seminar	1.0 op	
793612J	Research Plan and Seminar, seminar	1.0 op	
816624J	Research Plan and Seminar, seminar	1.0 op	
771608J	Research Plan and Seminar, Seminar	1.0 op	
800703J	Research Plan and Seminar, Seminar	1.0 op	
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op	
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op	
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op	
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op	
682367J	Research Plan and Seminar, Seminar (English)	1.0 op	
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op	
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op	
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op	
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op	
700447J	Research Plan and Seminar, Seminar (History)	1.0 op	
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op	
722001J	Research plan and seminar, seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
046034J	Research plan and seminar, seminar	1.0 op	
520023J	Research Plan and Seminar, Seminar	1.0 op	
522023J	Research Plan and Seminar, Seminar	1.0 op	
550023J	Research Plan and Seminar, Seminar	1.0 op	
419115J	Research plan and seminar, seminar	1.0 op	
766692J	Research Plan and Seminar	1.0 op	
480023J	Research Plan and Seminar, Seminar	1.0 op	
470023J	Research Plan and Seminar, Seminar	1.0 op	
521023J	Research Plan and Seminar, Seminar	1.0 op	
748617J	Research Plan and Seminar, Seminar	1.0 op	
750662J	Research plan seminar	1.0 op	

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

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Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

419105J: Doctoral thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Faculty of Education

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2:** Responsible persons of the relevant Majors/fields of doctoral studies.

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

356001J: Health Sciences, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Institute of Health Sciences

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

046001J: Medicine, thesis, 0 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Medicine

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: English

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:**Recommended or required reading:**

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans.

The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920007J: Follow-up Group Reporting and meetings, 1 op

Voimassaolo: 01.08.2012 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECTS

Language of instruction:

Language of meeting as appropriate, progress reports in English or Finnish.

Timing:

Once per year

Learning outcomes:

The student is able to report effectively on the plans and accomplishments of his/her training.

The student is able to reflect on his/her training.

Course objectives:

Aiming to reflect own progress and plans of the doctoral training.

Aiming to provide supplementary support for the doctoral training.

Contents:

Written and oral presentation reports and plans.

Learning activities and teaching methods:

Annual meetings.

Assessment methods and criteria:

Evaluation of progress reports and plans.

Grading:

pass / fail

Person responsible:

Chair of the Follow-up Group and Coordinators of UniOGS.

920001J: Introduction to Doctoral Training, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Heli Ruotsalainen, Niina Timosaari-Hyry

Opintokohteen kielet: English

ECTS Credits:

1 ECTS credit

Language of instruction:

English

Timing:

The course is held once in the spring and once in the autumn. All students whose doctoral study rights started on, or after 1 January 2012 must attend the course during their first year of doctoral training.

Learning outcomes:

After the course the student knows about the structure and practices of UniOGS, as well as practical information regarding the formalities, general requirements and opportunities, and services, essential to both their doctoral studies and every-day life.

Contents:

The course includes an obligatory component for all first-year doctoral students, and an optional component targeted to foreign students and Finnish students arriving from outside of Oulu.

The obligatory component addresses the following topics: Requirements for obtaining a doctoral degree; Graduate school structure, responsible persons/services, and bylaws/regulations; General procedures and time-line of the doctoral education; What students can expect from UniOGS and their research environment, and what the Graduate School and the research environment expect from the students; Procedures for addressing and redressing problems related to doctoral training. General instructions on the use of administrative data bases (Sole, ESS, Travel, Personec, Optima, Oodi, etc.).

The optional component covers the following topics: Formalities for foreign students from within and outside the E. U; Legal services and taxes; Library services; E-mail and internet access; health & social services day-care, nutrition; transportation; sport activities; Student associations; Student cards; Grants and loans; Useful contact data and web addresses for further information.

Mode of delivery:

lectures, discussions and networking.

Learning activities and teaching methods:

obligatory lectures and discussion, 7,5 h; optional lectures and discussion, 8h; networking and personal study, 11 h.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended optional programme components:

Recommended or required reading:

Students should familiarize themselves with the contents of the University of Oulu Graduate School web site.

Assessment methods and criteria:

Participation in lectures and discussions .

Grading:

pass/fail

Person responsible:

Coordinators of the University of Oulu Graduate School

920002J: Research ethics for doctoral students, 2 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Jarmo Pulkkinen

Opintokohteen kielet: Finnish

ECTS Credits:

2 ECTS credit

Language of instruction:

English/Finnish

Timing:

The course unit is held once in the autumn (in English) and once in the spring (in Finnish). It is recommended to take the course at the beginning of the doctoral studies.

Learning outcomes:

After the course the student is familiar with the ethical codes of research, and able to recognise and analyse ethical problems relating to different fields and stages of research.

Contents:

Ethical theory and ethical problem solving. Professional ethics. Ethical problems characteristic to different sciences. Good scientific practice and procedures for handling misconduct and fraud in science. Ethical problems regarding the relation between science community and wider society.

Mode of delivery:

lectures (16 h.), guest lectures (6 h.), group work, and seminar.

Learning activities and teaching methods:

Regular attendance of lectures, participation in group work and oral presentation.

Prerequisites and co-requisites:

The student must have been admitted to the University of Oulu Graduate School.

Recommended or required reading:

Student should familiarize with the following chapter in [Toolbox of Research](#): 1.4. Research ethics and the law

Grading:

pass/fail

Person responsible:

Jarmo Pulkkinen

920004J: Research Plan and Seminar, 4 op

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

4 ECTS credits

Language of instruction:

English

Timing:

All full-time students whose doctoral study rights started on, or after 1 January 2012 must complete part 1 of the course during their first year of doctoral training. Part 2 of the course must be completed within two years of starting the doctoral training. All part-time students must complete parts 1 & 2 of the course before the end of the second year.

All doctoral students

registered in the University of Oulu Graduate School **who were awarded doctoral study rights before 1 st August 2011** , **but** who wish to follow the new requirements for the doctoral degrees established by UniOGS in Spring 2012 must complete part 1 of the course as part of their application to transfer to the new requirements. Part 2 of the course must be completed within one year of transferring to the new requirements.

Learning outcomes:

After the course the student knows how to develop and present a doctoral training plan and research progress in written and oral forms, and has learned how to critically discuss the research of others. The student has established a realistic four-year plan (including content, schedule and funding) for his/her doctoral training.

Contents:

The course includes two parts:

Part one:

(920004J-01) 3 ECTS credits. The establishment and writing of the full doctoral training plan, which includes detailed research and study plans. The student should also include a brief outline of his/her career development plan; The presentation of the doctoral training plan to, and its recommendation for acceptance by, the student's Doctoral Training Follow-up Group. The plan is formally accepted by the student's Doctoral Training Committee;

Part two:

(920004J-02) 1 ECTS credit. Public presentation of the research in the form of a public *Research Plan Seminar*, or a *Research Seminar*.

Mode of delivery:

Personal work, written and oral presentations.

Learning activities and teaching methods:

Establishment and writing of the doctoral training plan, its written and oral presentation to the Doctoral Training Follow-up Group, and its eventual revision following the recommendations of the Doctoral Training Follow-up Group; presentation and discussion of the research plan, or the research progress, to senior scientists/professionals (Follow-up Group meeting) and doctoral students (Research Plan Seminar, or Research Seminar).

Target group:

The student must have been granted study rights for doctoral training at the University of Oulu Graduate School and must have a Doctoral Training Follow-up Group.

Prerequisites and co-requisites:

Background literature of own research field.

Recommended or required reading:

Submission and approval of the full doctoral training plan by the doctoral training follow-up group; acceptance of the doctoral training plan by the student's Doctoral Training Committee; public presentation of the research plan/results in a *Research (Plan) Seminar*.

Assessment methods and criteria:

The three study credits for the completion of part 1 are awarded when the Doctoral Training Committee has approved the full doctoral training plan of the student. The study credit for part 2 is awarded by the responsible person for the Field/Major, or a person designated by the latter, after the successful completion of the research plan seminar, or research seminar by the student.

Grading:

Pass / fail

Person responsible:

Supervisor, follow-up group and doctoral training committee. **Part 2: Responsible persons of the relevant Majors/fields of doctoral studies.**

*Compulsory***920004J-01: Research Plan and Seminar, Research Plan, 3 op**

Voimassaolo: 01.08.2012 - 31.12.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

920004J-02: Research Plan and Seminar, seminar, 1 op

Voimassaolo: 01.08.2013 - 31.07.2014

Opiskelumuoto: Post-graduate Studies

Laji: Partial credit

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

450023J	Research Plan and Seminar, Seminar	1.0 op
460023J	Research Plan and Seminar, Seminar	1.0 op
780614J	Research Plan and Seminar, seminar	1.0 op
793612J	Research Plan and Seminar, seminar	1.0 op
816624J	Research Plan and Seminar, seminar	1.0 op
771608J	Research Plan and Seminar, Seminar	1.0 op
800703J	Research Plan and Seminar, Seminar	1.0 op
694789J	Research Plan and Seminar, Seminar (Logopedics)	1.0 op
694642J	Research Plan and Seminar, Seminar (Information Studies)	1.0 op
694935J	Research Plan and Seminar, Seminar (Finnish Language)	1.0 op
693460J	Research Plan and Seminar, Seminar (German Language and Culture)	1.0 op
693682J	Research Plan and Seminar, Seminar (Swedish Language)	1.0 op
682367J	Research Plan and Seminar, Seminar (English)	1.0 op
687239J	Research Plan and Seminar, Seminar (Cultural Anthropology)	1.0 op
687358J	Research Plan and Seminar, Seminar (Archaeology)	1.0 op
683496J	Research Plan and Seminar, Seminar (North Saami)	1.0 op
683658J	Research Plan and Seminar, Seminar (Inari Saami)	1.0 op
687170J	Research Plan and Seminar, Seminar (Literature)	1.0 op
700447J	Research Plan and Seminar, Seminar (History)	1.0 op
700122J	Research Plan and Seminar, Seminar (History of Science and Ideas)	1.0 op
694521J	Research Plan and Seminar, Seminar (Science Communication)	1.0 op
722001J	Research plan and seminar, seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
046034J	Research plan and seminar, seminar	1.0 op
520023J	Research Plan and Seminar, Seminar	1.0 op
522023J	Research Plan and Seminar, Seminar	1.0 op
550023J	Research Plan and Seminar, Seminar	1.0 op
419115J	Research plan and seminar, seminar	1.0 op
766692J	Research Plan and Seminar	1.0 op
480023J	Research Plan and Seminar, Seminar	1.0 op
470023J	Research Plan and Seminar, Seminar	1.0 op
521023J	Research Plan and Seminar, Seminar	1.0 op
748617J	Research Plan and Seminar, Seminar	1.0 op
750662J	Research plan seminar	1.0 op

Ei opintojaksokuvauksia.

920006J: Teaching Tasks, 4 op

Voimassaolo: 01.08.2012 - 31.07.2013

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Leikkaavuudet:

800702J	Teaching Tasks	0.0 op
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ECTS Credits:

Check the study requirements defined by your major subject.

Language of instruction:

Language of instruction.

Timing:

No limit

Learning outcomes:

The student is able to teach and/or supervise.

Course objectives:

Aiming to reinforce the doctoral student's ability to teach and to support the construction of his/her teaching identity.

Contents:

* Teaching and supervision

Learning activities and teaching methods:

Depending on duties.

Prerequisites and co-requisites:

Must have at least 2 ECTS University pedagogic or equivalent training.

Assessment methods and criteria:

-

Grading:

Pass / fail

Person responsible:

Head of teaching in the unit.

520001J: Electrical Engineering, thesis, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Defence of the Ph. D. thesis

Vastuuyksikkö: Department of Electrical Engineering

Arvostelu: suor (pass), oiv (excellent), khy (excellent)

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset**722130J: ACC, Major Subject Studies, 0 - 10 op**

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722131J: ACC, Major Subject Studies, Financial Accounting, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722132J: ACC, Major Subject Studies, Management Accounting, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722133J: ACC, Major Subject Studies, Special Issue, 0 - 10 op

Voimassaolo: 01.10.1950 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722100J: ACC, Research Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722101J: ACC, Research Methodology, Research Methods, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722331J: ECON, Major Subject Studies, Macroeconomic Theory, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722330J: ECON, Major Subject Studies, Microeconomic Theory, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722332J: ECON, Major Subject Studies, Special Issues, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722300J: ECON, Research Methodology, Methodology and History of Economic Thought, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722301J: ECON, Research Methodology, Research Methods, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722930J: FIN, Major Subject Studies, 0 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722901J: FIN, Research Methodology, Dissertation Analysis, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722900J: FIN, Research Methodology, Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722902J: FIN, Research Methodology, Research Methods, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722630J: IB, Major Subject Studies, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722631J: IB, Major Subject Studies, Specialisation Studies in International Business, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722600J: IB, Research Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722730J: LOG, Major Subject Studies, Logistics Theory and History, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

722732J: LOG, Major Subject Studies, Special Issue in Logistics, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

722731J: LOG, Major Subject Studies, Specialisation Studies in Logistics, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722700J: LOG, Research Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722530J: MAN&ORG, Major Subject Studies, Management Theory and History, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722532J: MAN&ORG, Major Subject Studies, Special Issues in Management and Organization, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722531J: MAN&ORG, Major Subject Studies, Specialisation Studies in Management and Organization, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722500J: MAN&ORG, Research Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722430J: MAR, Major subject studies, Marketing Theory and History, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722432J: MAR, Major subject studies, Special Issues in Marketing, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722431J: MAR, Major subject studies, Specialisation Studies in Marketing, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

722400J: MAR, Research Methodology, 0 - 10 op

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: Oulu Business School

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

920010J: Scientific Communication, 0,5 op

Voimassaolo: 01.01.2011 -

Opiskelumuoto: Post-graduate Studies

Laji: Course

Vastuuyksikkö: University of Oulu Graduate School, UniOGS

Arvostelu: 1 - 5, pass, fail

Opettajat: Belt, Pekka Juhani, Heape Martin

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

0,5 ECTS credit

Language of instruction:

Finnish / English

Timing:

once during spring and once during autumn

Learning outcomes:

This course provides students with understanding over efficient writing of scientific journal articles and doctoral dissertations. The course will motivate students to start writing sooner.

After this course the student will understand what is required from scientific journal articles and doctoral dissertations and what the related publishing processes entail. The student will know the typical structures of scientific articles and doctoral dissertations and how to write effectively.

Contents:

Students must attend at least two different lectures from the list below to pass the course and obtain the study credits:

1. Writing scientific journal articles
2. Writing a doctoral dissertation

3. Writing the compiling part of a compilation dissertation

Mode of delivery:

The course includes lectures and 5 hours of personal work.

Learning activities and teaching methods:

The course includes lectures and 5 hours of personal work. Each lecture is 4x45min in length arranged as a single half-day session.

Personal work includes preparing and consolidating the topics treated during the lectures. This may mean familiarizing with the guidebooks provided as study material, analyzing articles in your target journal and/or analyzing doctoral dissertations in your own field by comparing them against the structures presented during this course.

Recommended or required reading:**Study materials:**

(Available at www.tinyurl.com/efficient-doctoral-studies)

Tips for writing scientific journal articles Practical tips for doctoral students

Study materials:

(Available at www.tinyurl.com/efficient-doctoral-studies)

Tips for writing scientific journal articles

Practical tips for doctoral students

Grading:

pass / fail

Person responsible:

Dr Pekka Belt