

# Opasraportti

## Open University - Health Sciences (2014 - 2015)

### Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

- ay352114A: Bachelor Thesis and Written Maturity Test (OPEN UNI), 6 op
- ay351205P: Foundations of Health Care Education (OPEN UNI), 5 op
- ay351207P: Foundations of Health Care Legislation (OPEN UNI), 5 op
- ay351204P: Foundations of Philosophy and Research Methods in Health Sciences (OPEN UNI), 5 op
- 352232A: Health Administration Science, 10 op
- ay352232A: Health Administration Science (OPEN UNI), 10 op
- ay352315A: Health Care Today (OPEN UNI), 3 op
- ayA791404: Health Education, Basic Studies (OPEN UNI), 25 op

#### *Compulsory*

- ay402103P: Psychological Development of Children and Adolescents (OPEN UNI), 5 op
- ay402951P: Basics of the Didactics of Health Education (OPEN UNI), 5 op
- ay402961P: Basics of Anatomy and Physiology (OPEN UNI), 5 op
- ay402960P: Introduction to Health Education Studies (OPEN UNI), 5 op
- ay402956P: Improving Health Through Nutrition (OPEN UNI), 5 op
- ayA791407: Health Education, Intermediate Studies (OPEN UNI), 35 op

#### *Compulsory*

- ay402952A: School as a promoter of inclusion and life management of children and adolescents (OPEN UNI), 5 op
- ay402953A: Advanced Course in the Didactics of Health Studies (OPEN UNI), 5 op
- ay402957A: Drugs and Health (OPEN UNI), 5 op
- ay402964A: Thesis (OPEN UNI), 5 op
- ay402962A: Oral Health (OPEN UNI), 5 op
- ay402959A: Supporting Sexual Growth and Development (OPEN UNI), 5 op
- ay402958A: Physical Exercise in Promoting Health (OPEN UNI), 5 op
- ayA544702: Health Management Science, intermediate studies (OPEN UNI), 36 op

#### *Compulsory*

- ay352107A: Research methods I (OPEN UNI), 6 op
- ay352114A-01: Seminars (OPEN UNI), 10 op
- ay352215A: Health administration science II (OPEN UNI), 8 op

#### *Compulsory*

- ay352215A-02: Health administration II, part 2 (OPEN UNI), 5 op
- ay352215A-01: Health administration II, part 1 (OPEN UNI), 3 op
- ay352147A: A multiprofessional management in health care (OPEN UNI), 8 op
- ay352214A: Administrative law and public employment and labour law (OPEN UNI), 8 op
- ay352146A: Training in administration (OPEN UNI), 6 op
- ayA544701: Health Management Science, basic studies (OPEN UNI), 25 op

#### *Compulsory*

- ay351008P: Research methods (basic) (OPEN UNI), 2 op
- ay350005Y: Statistics (OPEN UNI), 6 op
- ay351145P: Evaluation and development of the health care work unit (OPEN UNI), 6 op
- ay351138P: Legal aspects of health care (OPEN UNI), 4 op
- ay351137P: Health administration science I (OPEN UNI), 7 op

#### *Compulsory*

ay351137P-02: Health administration I, part 2 (Introduction to health administration) (OPEN UNI), 3,5 op

ay351137P-01: Health administration I, part 1 (OPEN UNI), 3,5 op

ay040404A: Health technology and rehabilitation (OPEN UNI), 5 op

ay402963A: Humans and Pharmaceuticals (OPEN UNI), 2 op

ay040012Y: Knowledge and Research (OPEN UNI), 3,5 op

*Compulsory*

ay040012Y-05: Statistical Methods, written examination (OPEN UNI), 1,5 op

ay040012Y-07: Statistical Methods, assignments (OPEN UNI), 1 op

ay040012Y-06: Statistical Methods, small group lessons (OPEN UNI), 1 op

351138A: Legal Aspects of Health Care, 3 - 5 op

ay351138A: Legal Aspects of Health Care (OPEN UNI), 5 op

352252A: Methods of Statistical Analysis in Health Sciences, 5 op

*Compulsory*

352252A-02: Methods of Statistical Analysis in Health Sciences II, 3,5 op

352252A-01: Methods of Statistical Analysis in Health Sciences I, 3,5 op

ay352252A: Methods of Statistical Analysis in Health Sciences (OPEN UNI), 5 op

*Compulsory*

ay352252A-01: Methods of Statistical Analysis in Health Sciences I (OPEN UNI), 3,5 op

ay352252A-02: Methods of Statistical Analysis in Health Sciences II (OPEN UNI), 3,5 op

352233A: Nursing Science, 10 op

ay352233A: Nursing Science (OPEN UNI), 10 op

ayA540301: Nursing Science, basic studies (OPEN UNI), 25 op

*Compulsory*

ay351008P: Research methods (basic) (OPEN UNI), 2 op

ay350031P: Theoretical basis of social and health care (OPEN UNI), 23 op

*Compulsory*

ay350031P-01: Nursing in social and health care (OPEN UNI), 6 op

ay350031P-04: Research of nursing science (OPEN UNI), 5 op

ay350031P-03: History of nursing (OPEN UNI), 6 op

ay350031P-02: Ethics in nursing (OPEN UNI), 6 op

ayA540302: Nursing Science, intermediate studies (OPEN UNI), 35 op

*Compulsory*

ay350005Y: Statistics (OPEN UNI), 6 op

ay350007Y: Applied statistics and ADP (OPEN UNI), 5 op

ay352221A: Theory development and evaluation (OPEN UNI), 3 - 5 op

ay352107A: Research methods I (OPEN UNI), 6 op

ay352114A-01: Seminars (OPEN UNI), 10 op

ay351101P: Nursing science I (OPEN UNI), 5 op

352231A: Philosophical Foundations of Health Sciences, 4 op

ay352231A: Philosophical Foundations of Health Sciences (OPEN UNI), 4 op

ayA551101: Preliminary Studies of Health Sciences (OPEN UNI), 25 op

*Compulsory*

ay351201P: Preliminary Studies of Health Sciences II: Foundations of Health Sciences (OPEN UNI), 15 op

*Compulsory*

ay351201P-01: Introduction to Health Sciences (OPEN UNI), 5 op

ay351201P-02: Professional Philosophy and Ethics in Social and Health Care (OPEN UNI), 3 op

ay351201P-03: Fundamentals of Research Methods in Health Sciences (OPEN UNI), 2 op

ay351201P-04: Foundations of Social and Health Care Education (OPEN UNI), 5 op

ay351202P: Preliminary Studies of Health Sciences: Foundations of Social and Health Care (OPEN UNI), 10 op

*Compulsory*

ay351202P-01: Social and Health Care Systems in Finland and Inter-professional Networking (OPEN UNI), 5 op

ay351202P-02: Foundations of Health Care Legislation (OPEN UNI), 5 op

ay352251A: Qualitative Research Methods in Health Sciences (OPEN UNI), 5 op

ayA549501: Rehabilitation Science (OPEN UNI), 25 op

*Compulsory*

ay040600P: Basic studies in rehabilitation (OPEN UNI), 5 op

ay040610P: Rehabilitation client groups, clientship and collaboration (OPEN UNI), 5 op

ay040618P: Useability I (OPEN UNI), 5 op

ay040617P: Development and evaluation of rehabilitation science I (OPEN UNI), 5 op

ay040616P: The services of rehabilitation I (OPEN UNI), 5 op

352251A: Research Methods in Health Science, 5 op

ayA551102: Subject Studies in Health Sciences (OPEN UNI), 35 op

A551102: Subject Studies of Health Sciences, 35 - 65 op

*Compulsory*

352114A: Bachelor Thesis and Written Maturity Test, 6 op

ay402954A: The Social Well-being of Children and Adolescents (OPEN UNI), 4 op

## Opintojaksojen kuvaukset

### Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

#### ay352114A: Bachelor Thesis and Written Maturity Test (OPEN UNI), 6 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352114A Bachelor thesis 6.0 op

**Required proficiency level:**

Student has to have completed the courses:

Qualitative Research Methods in Health Sciences 4 ECTS cr (352251),

Methods of Statistical Analysis in Health Sciences Part I 3,5 ECTS cr (352252A-01),

Methods of Statistical Analysis in Health Sciences Part II 3,5 ECTS cr(352252A-02).

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

Third year spring term

**Learning outcomes:**

Upon completion of the course the student is able to compile a Bachelor thesis based on scientific literature or empirical data according to the principles of scientific writing and research. Student is able to explain and discuss own research.

According to regulations of Government Decree on University Degrees (794/2004), Section 10, the student must demonstrate that he/she has attained the objectives set for the degree, studies and thesis and the language proficiency. The student must write a maturity essay which demonstrates conversance with the topic of the thesis and skills in the use of Finnish or Swedish.

**Contents:**

The planning of the research process, carrying out of the research and evaluation. Writing of a Bachelor thesis based on scientific literature and/or empirical data according to scientific principles. The students make their Bachelor thesis in their major subject / field of specialization. Written maturity test.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Supervision, seminars and group work 16h, an opponent to other student 4h, reading and retrieving of the literature 100h, writing of thesis 138h, preparation for the test and maturity test 12h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Literature related to the topic of the Bachelor's thesis.

**Assessment methods and criteria:**

Independent studying, supervision taking place in small groups and seminars, writing of the Bachelor thesis, presenting/discussing the thesis and a written maturity test.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

### **ay351205P: Foundations of Health Care Education (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351205P Foundations of Health Care Education 5.0 op

Ei opintojaksokuvauksia.

### **ay351207P: Foundations of Health Care Legislation (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351207P Foundations of Health Care Legislation 5.0 op

Ei opintojaksokuvauksia.

### **ay351204P: Foundations of Philosophy and Research Methods in Health Sciences (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2015 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351204P Foundations of Philosophy and Research Methods in Health Sciences 5.0 op

Ei opintojaksokuvauksia.

## 352232A: Health Administration Science, 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352232A Health Administration Science (OPEN UNI) 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

The students are able to analyze research relating to health management, its development and history so that they can formulate an essay based on their study. The student is able to build the framework of national and international health politics in the theme discussion.

**Contents:**

Health administration science as a research and study subject and the central concepts and approaches. The historical development of health care administration.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 8h, independent studying 53h and essay 60h; theme discussion groups 10h and independent studying 111h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature, and literature on social and health care politics

**Assessment methods and criteria:**

An essay synthesizing foundational issues and a theme discussion carried out by students in groups. Essay 50% and theme discussions 50%.

**Grading:**

1-5/fail

**Person responsible:**

Professor

## ay352232A: Health Administration Science (OPEN UNI), 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352232A Health Administration Science 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

Second year spring term

**Learning outcomes:**

The students are able to analyze research relating to health management, its development and history so that they can formulate an essay based on their study. The student is able to build the framework of national and international health politics in the theme discussion.

**Contents:**

Health administration science as a research and study subject and the central concepts and approaches. The historical development of health care administration.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 8h, independent studying 53h and essay 60h; theme discussion groups 10h and 111h independent studying.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature, and literature on social and health care politics

**Assessment methods and criteria:**

An essay synthesizing foundational issues and a theme discussion carried out by students in groups.

**Grading:**

1-5/fail. Essay 50% and theme discussions 50%

**Person responsible:**

Professor

**ay352315A: Health Care Today (OPEN UNI), 3 op**

**Voimassaolo:** 01.08.2012 - 31.07.2013

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352315A Health Care Today 3.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish / English

**Learning outcomes:**

Learning outcomes: Upon completion the course the student

- knows topical questions and background / basis of health care, and content of main concepts in health care
- is able to participate in a discussion about topical questions of health care
- is able to search the scientific information for topic of health care

**Contents:**

Current questions of health care

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Participation to web based interaction 10 h and written work 71 h.

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

No

**Recommended or required reading:**

Current national and international scientific articles.

**Assessment methods and criteria:**

Active participation in lectures and exercises, group-working, and writing an essay.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**Person responsible:**

Senior lecturer

**Working life cooperation:**

No

**ayA791404: Health Education, Basic Studies (OPEN UNI), 25 op**

Voimassaolo: 01.08.2012 -

**Opiskelumuoto:** Basic Studies**Laji:** Study module**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

A791404 Health Education, Basic Studies 25.0 op

**Voidaan suorittaa useasti:** Kyllä**ECTS Credits:**

25 ECTS

**Language of instruction:**

Finnish

**Timing:**

1.-5. year

**Learning outcomes:**

Having completed the Basic Studies, the student identifies the individual, social and environmental factors connected with health, health behavior, health challenges and most common illnesses among all population groups, especially children and adolescents. The student also knows how to describe the meaning for health of the biological processes in the organs and of mental and social factors. S/he also knows how to apply the principles of subject didactics to promote the health of people in different ages, especially children and adolescents, and to reinforce their knowledge of health. S/he knows how to solve ethical issues connected with promotion of health and with health education, and knows how to explain both the individual and the community's responsibility for healthy life.

**Contents:**

The module consists of the following courses:

Basics of Health Education (5 credits) – 402960P

Challenges of Mental Development among Children and Adolescents (5 credits) – 402103P

Nutrition in Promotion of Health (4 credits) – 402956P

Basics of Anatomy and Physiology (6 credits) – 402961P

Basics of the Didactics of Health Education (5 credits) – 402951P

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

Lectures, group work sessions

**Target group:**

Health Education minor subject students

**Prerequisites and co-requisites:**

no

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced for each course specifically

**Assessment methods and criteria:**

participating in teaching, literal work, exams

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

pass/fail

**Person responsible:**

Eila Jeronen

**Working life cooperation:**

No

**Other information:**

The teaching is arranged by the Open University

*Compulsory*

**ay402103P: Psychological Development of Children and Adolescents (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402103P Psychological Development of Children and Adolescents 5.0 op

**ECTS Credits:**

5 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

The student knows how to

- identify the psychological way to think and apply it to consider the course of children's and adolescents' life
- distinguish between different viewpoints on the challenges of mental development and distinguish between the challenges of growth, learning and socialisation
- identify the main challenges to children' and adolescents' growth in different phases of their lives and understand the meaning of childhood and adolescence growth for later life and wellbeing
- explain mental disorders as disorders of growth, and identify the basic categories of mental disorders

**Contents:**

- mental growth and development, special features of growth in adolescence
- challenges of growth at different ages
- mental problems and disorders, mental health
- self-knowledge, mental balance, development of emotional life

**Learning activities and teaching methods:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

none

**Recommended optional programme components:**

none

**Recommended or required reading:**

Aalberg, V. & Siimes, M.A. (1999 or newer edition). Lapsesta aikuiseksi: Nuoren kypsyminen naiseksi tai mieheksi. Kustannusosakeyhtiö Nemo.

Dunderfelt, T. (1991 or newer edition). Elämänkaaripsykologia. WSOY.

Nurmi J.-E. et al. (eds.) (2006). Ihmisen psykologinen kehitys. WSOY.

Vuorinen, R.(1993 or newer edition). Persoonallisuus ja minuus. WSOY.

Vuorinen, R. (1998). Minän synty ja kehitys: ihmisen psyykinen kehitys yli elämänkaaren. (2. revised edition or 1st edition) WSOY.

The availability of the literature can be checked [here](#).

**Assessment methods and criteria:**



Participation in teaching and independent written assignment  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Milla Merilehto

**Working life cooperation:**

None

**ay402951P: Basics of the Didactics of Health Education (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402951P Basics of the Didactics of Health Education 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

- to take a comprehensive look at the individual and collective starting-points for health promotion and health education
- to choose contents and didactic teaching methods of health education from the perspective of reinforcing the community's knowledge of health
- plan different learning environment, tools and learning materials and compare their applicability from the viewpoint of the achievement of goals for learning
- choose and plan forms, methods and ways of teaching that support the learner's purposeful work and achievement of goals
- choose and plan various assessment methods and plan and implement the assessment
- explain the ethical responsibility associated with teaching

**Contents:**

Premises of health education

- the features of health-promoting individuals and communities
- health literacy

Planning as a pedagogical activity

- health education curriculum
- principles of planning, implementing, evaluating health education

Learning environments, tools and learning materials in support of the learner's growth and development

- choice and significance of learning environments, tools and learning materials
- ICT in support of health education

Forms, methods and ways of teaching and their development

- the role and tasks of the teacher and learner
- different working methods

Assessment of teaching and learning

- principles, forms and development of assessment

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

Clift, S. & Jensen, B.B. (toim.) (2005). The Health Promoting School: International Advances in Theory, Evaluation and Practice.

Jeronen, E. et al. (toim.) (2009). Terveystietoa oppimaan ja opettamaan. Jyväskylä, Jyväskylän yliopisto.

You can check for the availability of course books [here](#).

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Kristiina Simojoki

**Working life cooperation:**

No

**ay402961P: Basics of Anatomy and Physiology (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402961P Basics of Anatomy and Physiology 5.0 op

**ECTS Credits:**

6 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Having completed the course, the student knows how to

- explain the structure and operation of eukaryotic cells
- explain the construction of tissue from different types of cell and matrix
- explain the structure and cooperation of different organ systems

**Contents:**

- structure of cells and tissue
- liquid states and electrolytes of the organism
- nervous system and sense organs
- hormones
- sensor and motor activity
- respiration
- blood circulation
- nutrition
- metabolism

**Mode of delivery:**

Online studies

**Target group:**

Minor subject student in all faculties

**Prerequisites and co-requisites:**

none

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Bjälle, J. G. et al. (1999). Ihminen. Fysiologia ja anatomia. Porvoo, WSOY.

**OR**

Leppäluoto, J. et al. (2008) Anatomia ja fysiologia – Rakenteesta toimintaan. Porvoo, WSOY.

You can check for the availability of course books [here](#).

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Johanna Veijola

**Working life cooperation:**

None

**ay402960P: Introduction to Health Education Studies (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402960P Introduction to Health Studies 5.0 op

**ECTS Credits:**

5 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

The student knows how to

- explain the multidimensional nature of health and illness
- interpret central concepts connected with health
- choose starting-points for promotion of health from the perspective of his/her own life and professional activities

**Contents:**

- the multidimensional nature of health
- experience of health and illness
- the meaning of illness to the individual and near community
- health and close concepts
- promotion of health, ethics and philosophy of health promotion
- research, teaching and assessment of health promotion
- Finnish social and health care system
- current issues

**Mode of delivery:**

Online

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

None

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Current studies and articles

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Kristiina Simojoki

**Working life cooperation:**

None

**ay402956P: Improving Health Through Nutrition (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402956P Improving Health Through Nutrition 5.0 op

**ECTS Credits:**

4 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Objectives of the course:

- identify health eating habits and individual and social factors influencing ways to use food
- evaluate factors related to the promotion of healthy eating habits and weight control among differently aged people
- name national health problems caused by nutrition
- give examples of special diets

**Contents:**

- the possibilities and means of schools to promote good nutrition among schoolchildren
- promoting good nutrition among working-age people
- promoting good nutrition among old people living at home

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

none

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Aro, A., Mutanen, M. & Uusitupa M. (eds.) (2005). Ravitsemustiede. Helsinki, Duodecim.

Borg, P., Fogelholm, M. & Hiilloskorpi, H. (2004). Liikkujan ravitseminen. Helsinki, Edita.

Valtion ravitsemusneuvottelukunta (2005). Suomalaiset ravitsemussuositukset – ravinto ja liikunta tasapainoon. Helsinki, Edita.

The availability of the literature can be checked [here](#).

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Anna-Maria Keränen

**Working life cooperation:**

None

**ayA791407: Health Education, Intermediate Studies (OPEN UNI), 35 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A791407 Health Education, Intermediate Studies 35.0 op

**ECTS Credits:**

35 credits

**Language of instruction:**

Finnish

**Timing:**

2.-5. year

**Learning outcomes:**

Having completed the subject studies, the student is able to explain factors related to the health and welfare, health behavior, health challenges and health promotion of different population groups, especially children and adolescents. The student also knows how to evaluate his/her ability to reinforce the health knowledge of children and adolescents and how to build the contents of health education teaching and learning in a goal-oriented way. S/he also knows how to evaluate their relationship to the promotion of health at school and to develop their own activities in promoting health.

**Contents:**

The module consists of the following courses:

Life Control and Drugs (4 credits) – 402957A

Physical Exercise in Promoting Health (3 credits) – 402958A

Mental Welfare and Interaction among Children and Adolescents (4 credits) – 402954A

Social Welfare of Children and Adolescents (4 credits) – 402952A

Supporting Sexual Growth And Development (3 credits) – 402959A

Oral Health (3 credits) – 402963A

Advanced Course in the Didactics of Health Education (6 credits) – 402953A

Thesis (6 credits) – 402964A

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Lectures, group sessions, online studies, independent work

**Target group:**

Students pursuing studies in the minor of Health Education

**Prerequisites and co-requisites:**

Health education basic studies

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced for each specific course

**Assessment methods and criteria:**

Participation in teaching, written work, participation in online discussions, learning assignments, exams

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Eila Jeronen

**Working life cooperation:**

No

*Compulsory*

**ay402952A: School as a promoter of inclusion and life management of children and adolescents (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402952A School as a promoter of inclusion and life management of children and adolescents  
5.0 op

**ECTS Credits:**

4 ects

**Language of instruction:**

Finnish

**Learning outcomes:**

- understand the mechanisms that produce and maintain social and societal welfare
- explain how the social welfare of children and adolescents can be maintained and how exclusion can be prevented by different means of helping

**Contents:**

- social practices and action methods as factors that support welfare and expose to exclusion
- the viewpoint of life control to exclusion
- meaning of the family and school in supporting welfare and preventing exclusion
- challenges of educational cooperation and different means of helping

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

Basic studies

**Recommended optional programme components:**

No

**Recommended or required reading:**

Anttila, A. & Uusitalo, A. (toim.) (1998): Contemporary Marginalization and Exclusion of Young People; Whose Reality Counts? Nuorisosiain neuvottelukunta. NUORAn julkaisuja 10. Mannerheimin Lastensuojeluliitto, Helsinki.

Kuorelahti, M. & Viitanen, R. (toim.) (1999): Holtittomasta hortoilusta hallittuun harhailuun; nuorten syrjäytymisen riskit ja selviytymiskeinot. Nuorisosiain neuvottelukunta. NUORAn julkaisuja 14. Mannerheimin Lastensuojeluliitto, Helsinki.

Pyökkönen, M. & Ulvinen, V-M. (toim.) (2006): TUHTI2004 Pohjoinen nuorisotyön, tutkimuksen ja hallinnon ulottuvuus. Oulun yliopiston kasvatustieteiden tiedekunnan elektronisia julkaisuja 4.

Ruoho, K. & Ihatsu, M. (toim.) (1997): Kasvatuksellisia ja kuntoutuksellisia katsauksia nuorten syrjäytymiseen. Nuorisosiain neuvottelukunta. NUORAn julkaisuja 4. Mannerheimin Lastensuojeluliitto, Helsinki.

Ulvinen, V-M. (toim.) (1998): Lasten ja nuorten syrjäytymistä koskevan tutkimuksen mahdollisuudet. Nuorisosiain neuvottelukunta. NUORAn julkaisuja 6. Mannerheimin Lastensuojeluliitto, Helsinki.

Viitanen, R. (toim.) (2000): Nuorisokasvatus ammattina - interventioita osattoman nuoren arkeen - verkkojulkaisu. Nuorisotutkimusverkosto, Helsinki.

Availability can be checked [here](#).

**Assessment methods and criteria:**

- 1) learning assignments in preparation for the final report
- 2) online discussions on the above
- 3) final report

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Veli-Matti Ulvinen

**Working life cooperation:**

No

**ay402953A: Advanced Course in the Didactics of Health Studies (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402953A    Advanced Course in the Didactics of Health Studies    5.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

- plan the contents and methods of teaching in health education in a goal-oriented way, taking into account different learners and the needs of the group
- build and reform teaching in health education and practices related to it from the viewpoint of developing the school

- consider his/her educational and health awareness and abilities to promote health from the educational point of view
- evaluate his/her ideas and activities as a health educator

**Contents:**

- the meaning of the worldview in health education
- development of the health education curriculum
- core content analysis and pupil analysis
- pedagogical approaches and related teaching methods
- learning materials in support of teaching and learning activities
- assessment of teaching and learning in general and in the matriculation examinations
- development of the school in promoting health

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students

**Prerequisites and co-requisites:**

Basic studies

**Recommended optional programme components:**

No

**Recommended or required reading:**

Koskinen-Ollonqvist, P., Rouvinen-Wilenius, P. & Palojärvi, E. (2003). Elämyksellisyys nuorten päihdekasvatuksessa. Paikallistoiminnan arviointikokonaisuuden, elämyksellisten päihdereittien ja draamojen arviointi. Terveystietokeskus, arviointipalvelu. Helsinki, Trio-Offset.  
 Soikkeli, M. (2002). Miten puhua huumeista. Stakes, ehkäisevä päihdetyö. Jyväskylä, Gummerus.  
 Jeronen, E. et al. (toim.) (2009). Terveystietoa oppimaan ja opettamaan. Jyväskylä, Jyväskylän yliopisto  
 Availability of the course books can be checked [here](#).

**Assessment methods and criteria:**

Participation in teaching and literalwork

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Kristiina Simojoki

**Working life cooperation:**

No

**ay402957A: Drugs and Health (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402957A Drugs and Health 5.0 op

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish



**Learning outcomes:**

Having completed the course the student is able to

- name factors related to the connection between life control and drugs
- explain the connection between drug abuse and welfare

**Contents:**

- what drugs are
- how drugs influence
- why drugs cause addiction
- how it is cured

**Mode of delivery:**

Online studies

**Target group:**

Minur subject students

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Salaspuro, M. (ed.) (2003 or 1998) Päihdelääketiede. Helsinki, Duodecim.

Holmberg, J. et al. (2008) Tämä potilas kuuluu meille. Suomen sairaanhoitajaliitto, Helsinki.

Evaluation a key tool for improving drug prevention EMCDDA Scientific Monograph Series No 5 (2000).

Internet links:

[www.emcdda.europa.eu](http://www.emcdda.europa.eu)

[www.a-klinikka.fi](http://www.a-klinikka.fi)

[www.jellinek.nl](http://www.jellinek.nl)

[www.kaypahoito.fi](http://www.kaypahoito.fi)

The availability of literature can be checked [here](#).

**Assessment methods and criteria:**

Participation in teaching and independent written work

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Minna-Liisa Myllylä

**Working life cooperation:**

None

**ay402964A: Thesis (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402964A Thesis 5.0 op

**ECTS Credits:**

6 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

The student reports on her/his chosen special theme or topical issue related to health promotion or health education at school.

**Contents:**

Written thesis based on literature or empirical data on health promotion or health education at school: writing, presenting and acting as a peer opponent.

Alternatively, the student can design and implement a development project connected with the theme.

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

The thesis finalises the Intermediate Studies.

**Recommended or required reading:**

Literature studied for the thesis

**Assessment methods and criteria:**

Active participation in seminar work, writing a thesis or, alternatively, implementation of a development project, presentation of the thesis and acting as a peer opponent for another student's thesis

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

pass/fail

**Person responsible:**

Kristiina Simojoki

**Working life cooperation:**

None

**ay402962A: Oral Health (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402962A Oral Health 5.0 op

**ECTS Credits:**

3 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Having completed the course, the student knows how to

- explain the main features of the development of the teeth and occlusion and the main deviations in them
- identifies the most common illnesses that may endanger the health of the mouth
- name ways to prevent illnesses of and accidents to the mouth

- give examples of the main features of the treatment of deviations in occlusion and oral diseases

**Contents:**

- development of occlusion and the teeth, their deviations and treatment
- accidents of the mouth and teeth, their prevention and care
- main causes of oral diseases
- prevention and care of oral and dental diseases at different stages of life

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Jormanainen, T. & Järvinen, S. (2008) Suunhoito-opas yläkouluille. Hammaslääkäriliiton kustannus. [http://www.hammaslaakariliitto.fi/fileadmin/pdf/suunterveys/Suunhoito-opas\\_ylakouluille.pdf](http://www.hammaslaakariliitto.fi/fileadmin/pdf/suunterveys/Suunhoito-opas_ylakouluille.pdf)  
Other literature confirmed at the lecture.

**Assessment methods and criteria:**

Participation in teaching and independent written assignment  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Päivi Harju ja Leena Niskanen

**Working life cooperation:**

None

**ay402959A: Supporting Sexual Growth and Development (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402959A Supporting Sexual Growth and Development 5.0 op

**ECTS Credits:**

3 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course the student knows how to

- explain the special features of sexual growth and development at different ages
- support sexual behaviour that promotes health at different ages

**Contents:**

- sexual growth and development
- dimensions of sexuality in childhood
- dimensions of sexuality in adolescence
- the school as a sexual educator and promoter of sexual health

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Korteniemi-Poikela, E. & Cacciatore, R. (2010) Portaita pitkin. Opas vanhemmille. Helsinki, WSOY.

Cacciatore, R. (2008). Huomenna pannaan pussauskoppiin. Opas vanhemmille. Helsinki, WSOY.

At [www.vaestoliitto.fi](http://www.vaestoliitto.fi): Seksuaaliterveyspoliittinen ohjelma (PDF) ja Seksuaalikasvatuksen standardit Euroopassa (PDF)

Availability can be check [here](#).

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Paula Yliniemi

**Working life cooperation:**

None

**ay402958A: Physical Exercise in Promoting Health (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402958A Improving Health through Exercise 5.0 op

**ECTS Credits:**

3 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Having completed the course, the student knows how to

- figure out the connections between physical activity, physical condition and health
- give examples of methods to measure physical activity and conditions
- identify the meaning of physical exercise recommendations and physical exercise from the viewpoint of fostering mental health in different contexts

**Contents:**

- the meaning of physical activity and condition for health
- method to measure physical activity and condition
- means to promote physical exercise in different contexts
- current issues

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Fogelholm, M. (ed.) (2008) Liikettä koulupihoille. UKK-instituutti ja Nuori Suomi.

Vuori, I. (2003) Lisää liikuntaa. Helsinki, Edita.

Vuori, I. et al. (eds.) (2005) Liikuntalääketiede. Helsinki, Duodecim.

Availability of the literature can be checked [here](#).

**Assessment methods and criteria:**

Participation in teaching and individual written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Saila Romakkaniemi

**Working life cooperation:**

None

**ayA544702: Health Management Science, intermediate studies (OPEN UNI), 36 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A544702 Health Management Science, intermediate studies 37.5 op

Ei opintojaksokuvauksia.

*Compulsory*

**ay352107A: Research methods I (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Polit, Denise F. , , 2004, pakollinen**

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352107A Research methods I 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish / English

**Learning outcomes:**

Learning outcomes:

The student gets familiar with methodological issues and the process of scientific research.

Upon completion the student:

- is able to formulate a research problem and research purpose and design a research
- is able to review and evaluate scientific research
- is able to design qualitative and quantitative research methods
- knows the requirements of a good scientific writing
- is able to evaluate ethical considerations
- is able to evaluate the basic criteria to assess the quality of quantitative and qualitative studies

**Contents:**

The overview of research process, literature reviews, data collection, analysis of research data, reliability, addressing ethical issues, writing a research proposal.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures and practice 30 hours, independent studying and exam 130 hours.

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

Please see the recommended optional programme components.

**Recommended optional programme components:**

Research methods (basic).

**Recommended or required reading:**

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.

Topical scientific articles.

You can check the availability of literature at [this link](#)**Assessment methods and criteria:**

Participation in exercises, working groups and exam.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1-5 / fail

**Person responsible:**

Senior lecturers

**Working life cooperation:**

No

**ay352114A-01: Seminars (OPEN UNI), 10 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Intermediate Studies**Laji:** Partial credit**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352114A-01 Seminars 0.0 op

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: After completing the course the student is able to write Bachelor's thesis based on research literature or empirical data according to principles of scientific research. The student is able to present the research.

**Contents:**

Planning, carrying on and evaluating the research process. Writing a Bachelor's thesis based on literature and/or empirical data.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Individual studying, group guidance and seminar.

**Target group:**

Students in nursing science and in health administration science.

**Prerequisites and co-requisites:**

Please see the recommended optional programme components-

**Recommended optional programme components:**

350008P Research methods (basic) and 352107A Research methods I.

**Recommended or required reading:**

Literature related to the topic of the Bachelor's thesis.

**Assessment methods and criteria:**

Writing the Bachelor's thesis and presenting it. Written maturity test.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate and lecturer

**Working life cooperation:**

No

### ay352215A: Health administration science II (OPEN UNI), 8 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Nouko-Juvonen, S**, , 2000

**Heikkilä, Matti (3)**, , 2005

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352215A Health administration science II 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Students are able to analyse the approaches, methods and theories used in health administration science research. Student are able to develop their health administration knowledge base in a Learning Cafe' and by producing text.

**Contents:**

Topical questions of health administration science and essential research themes.

**Learning activities and teaching methods:**

Lectures 4h, Learning Cafe' 6h, written work.

**Recommended or required reading:**

Topical research articles (international and national) and dissertations in health administration and other suitable academic dissertations.

**Assessment methods and criteria:**

Written work.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5 / Failed.

**Person responsible:**

Professor and lecturer of Health administration science.

*Compulsory***ay352215A-02: Health administration II, part 2 (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352215A-02 Health administration II, part 2 5.0 op

Ei opintojaksokuvauksia.

**ay352215A-01: Health administration II, part 1 (OPEN UNI), 3 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**



352215A-01 Health administration II, part 1 3.0 op

Ei opintojaksokuvauksia.

**ay352147A: A multiprofessional management in health care (OPEN UNI), 8 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Kauhanen, Juhani** , , 2006

**Virtanen Petri, Stenvall Jari** , , 2010

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352147A A multiprofessional management in health care 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Students are able to interpret challenging situations related to multiprofessional management in health care.

**Contents:**

Theories and basic concepts in health management.

**Learning activities and teaching methods:**

Lectures 10 hours. ArgueGraph 10 hours, independent study.

**Recommended or required reading:**

Virtanen, P. & Stenvall, J.: Julkinen johtaminen. Tietosanoma, 2010

Kauhanen, J.: Henkilöstövoimavarojen johtaminen. WSOY, Helsinki Porvoo 2006.

Topical reseach.

**Assessment methods and criteria:**

Participation in seminars, essay written as team work and individual essay.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5/ Failed. Total grade: essay written as team work and individual essay both make up 50% of the grade.

**Person responsible:**

Professor, lecturer and doctoral candidate in Health administration science.

**ay352214A: Administrative law and public employment and labour law (OPEN UNI), 8 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Kulla, Heikki** , , 2003

**Bruun, Niklas** , , 1995

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352214A Administrative law and public employment and labour law 8.0 op

**ECTS Credits:**

8 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Upon completion the course the student:

- is able to analyze legal relations between government officials and citizen
- is able to define administrative decision making process and legal settings
- is able to define assumes basic concepts of administrative law needed in processing administrative matters.
- is able to define official- and labour law, gets general idea of conflicts regulation and settling concerning service and collective bargaining contract.
- is able to define aware of solutions to conflicts concerning employment and contract of employment.

**Contents:**

Part I: Basic concepts of administrative law, basics of good governance, processing administrative matters and decision making, legal effects of administrative actions, qualifications and invalidity and enforcement and forces, citizens legal protection in administration.

Part II: Basics of official- and labour law, conflicts regulation and settling concerning service and collective bargaining contract. Solutions to conflicts concerning employment and contract of employment.

**Learning activities and teaching methods:**

Lectures 30 hours.

**Recommended or required reading:**

Part I:

Kulla, H.: Hallintomenettelyn perusteet. Talentum, Helsinki 2003.

Säädökset niihin myöhemmin tehtyine muutoksineen:

Perustuslaki, 2 luku, hallintolaki (6.6.2003/434)

Laki viranomaisten toiminnan julkisuudesta (21.5.1999/621)

Kuntalaki (17.3.1995/365)

Hallintolainkäyttölaki (26.7.1996/586).

Part II:

Bruun, N., Mäenpää, O. & Tuori, K.: Virkamiesten oikeusasema. Otava, Helsinki 1995.

Regulations according to separate list.

**Assessment methods and criteria:**

Exam

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5/failed.

**Person responsible:**

Lecturers

**Other information:**

No substitution by earlier studies

**ay352146A: Training in administration (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352146A Training in administration 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Students are able to define and delimit the area of social and health care according to their own objectives. Students have the competence to apply information gained from health administration science to management in social and health care and/or research and development work in social and health care by producing ideas for development.

**Contents:**

Students train in healthcare settings according to their own individual plan.

**Learning activities and teaching methods:**

Individual training and reflective report. Instructions in Optima.

**Target group:**

Minor subject students.

**Recommended optional programme components:**

Completion of basic studies in Health administration science is required.

**Recommended or required reading:**

Topical research and books.

**Assessment methods and criteria:**

Training and reflective report.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Passed/failed.

**Person responsible:**

Doctoral candidate of Health administration science.

**Other information:**

More details instructions in Optima (web). Registration via weboodi.

## **ayA544701: Health Management Science, basic studies (OPEN UNI), 25 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A544701 Health Management Science, basic studies 28.5 op

Ei opintojaksokuvauksia.

*Compulsory*

**ay351008P: Research methods (basic) (OPEN UNI), 2 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen oppimateriaali:****Paunonen, M. & Vehviläinen-Julkunen, K.**, , 1997, pakollinen**Hirsjärvi, Sirkka**, , 2007, pakollinen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

351008P    Research methods (basic)    2.0 op

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: After completing the course the student is familiar with aims and principles of scientific research and she/he is able to describe the phases of research process.

**Contents:**

The aims and principles of scientific research, and research process.

**Mode of delivery:**

Distance teaching

**Learning activities and teaching methods:**

Independent studying

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

Part of the research studies

**Recommended or required reading:****Hirsjärvi, S., Remes, P. & Sajavaara, P.** 2009. Tutki ja kirjoita. 15th edition. Tammi, Helsinki. Main chapters I and II.**Paunonen, M., & Vehviläinen-Julkunen, K.** 1997. (edit.) Hoitotieteen tutkimusmetodiikka. WSOY, Juva. Chapters 1 and 2.You can check the literature availability at [this link](#)**Assessment methods and criteria:**

Literature examination.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1-5 / fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

**Other information:**

The course is substituted to those students who have accomplished the degree in social and health care at the university of applied sciences.

**ay350005Y: Statistics (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350005Y Statistics 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Student is able to get numeric observational data and plan quantitative research process. Student is able to describe things which are examined by tables, figures and parameters. Student is able to use the principles of distributions and test theories and statistic reasoning methods and models in quantitative data.

**Contents:**

The basic concept of statistic. Sampling methods. Observation matrix and scale. one-dimensional distribution and its parameters. Two-dimensional distribution and its interdependence numbers. Random variable and its distribution. Discrete variable and continuous probably variable. Statistical reasoning. Estimating, significant testing.

**Mode of delivery:**

The course will be divided in two parts: I= Descriptive statics which will be taught on autumn term and II= Reasoning statics which will be taught on spring term.

**Learning activities and teaching methods:**

Lectures 40 hours. Individual and group work 50 hours.

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

Basics of mathics, sum,- subtraction,- multiplication- and division. Power, square root.

**Recommended optional programme components:**

This course need to be completed before attending to the course 350007Y Applied statistics and ADP.

**Recommended or required reading:**

Karjalainen, A. & Laukkala, H. Luentomoniste 2008. Tilastollisen tutkimuksen perusteista.

Heikkilä, T. 1998. Tilastollinen tutkinmus. Edita.

Helenius, H. 1989. Tilastollisten menetelmien perustiedot. Statcon Oy.

Läärä, E. & Lammi. 1989. Tilastotieteen perusteet lääketiedettä ja lähialoja varten. Luentomoniste. Kuopion yliopiston ylioppilaskunta.

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**Person responsible:**

Helena Laukkala

**Working life cooperation:**

Not included.

**ay351145P: Evaluation and development of the health care work unit (OPEN UNI), 6 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen oppimateriaali:****Paasivaara Leena, Suhonen Marjo, Virtanen Petri** , , 2011**Paasivaara Leena, Suhonen Marjo, Nikkilä Juhani** , , 2008**Virtanen, Petri** , , 2007**Aro, Antti** , , 2007**Ruuska, Kai** , , 2006**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

351145P Evaluation and development of the health care work unit 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Students are able to apply concepts health care work community and it's development in a project plan. Students are able to name key challenges of health care projects. Students are able to desing a project in a group and a draft a project plan.

**Contents:**

he focal concepts in development of health care work community and the main themes of research. Project planning, implementation and evaluation.

**Learning activities and teaching methods:**

Lectures (schema learning and mindmapping) 6 hours, practical exercises 6 hours, projectwork and independent studying.

**Assessment methods and criteria:**

Lectures, participating seminars, projectplanwork.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5/ Failed. Self-evaluation passed/failed, peer-review 50% and teacher evaluation 50%.

**Person responsible:**

Lecturer of Health management science

**ay351138P: Legal aspects of health care (OPEN UNI), 4 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Mikkola**, , 2004

**Lohiniva-Kerkelä, Mirva**, , 2007

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351138P Legal aspects of health care 4.0 op

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Students are able to define the legislation that regulates the production of health services. Students are able to define the judicial basics of the status of health care professionals as well as their rights and obligations. Students are also familiar with patients rights and understand their meaning from the viewpoint of legal assesment and responsibility of health care professional activities. Students are able to identify the means of legal protection available to patient.

**Contents:**

Production of health care services, obligations of health care professionals, control and responsibility, patient's status, rights and legal protection.

**Learning activities and teaching methods:**

Lectures 10 hours

**Recommended or required reading:**

1. Lohiniva-Kerkelä, M: Terveystenhuollon juridiikka. Talentum, Helsinki 2007.  
Mikkola - Mikkonen - Suhonen - Kallio: Potilasvahinko: Lain sisältö ja soveltamiskäytäntö. Suomen vakuutusalan koulutus ja kustannus, Helsinki 2004.

2. Seuraavat säädökset niihin myöhemmin tehtyine muutoksineen:

Laki terveydenhuollon ammattihenkilöistä (564/1994)

Laki potilaan asemasta ja oikeuksista (785/1992)

Potilasvahinkolaki (585/1986)

Terveystenhuoltolaki (1326/2010)

Kansanterveyslaki (66/1972)

Erikoissairaanhoidtolaki (1062/1989)

Mielenterveyslaki (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990)

**Assessment methods and criteria:**

Exam

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5/ Failed

**Person responsible:**

Lecturer

**ay351137P: Health administration sciece I (OPEN UNI), 7 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

Sundman, E, , 2000

Ryynänen, O-P, , 1999

Lumijärvi, Ismo , , 1999

Salminen, Ari (1) , , 1993

Kirjavainen, Paula , , 2000

Vuori, J, , 2005

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351137P Health administration science I 7.0 op

**ECTS Credits:**

7 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Student are able to analyze the resech field of heath administration sciences it's development and history so that they are able to compile an essay. Students are able to constuct a national and international health policy frame in thematic discussion.

**Contents:**

Health administration science as an area of research area and a subject of study. Focal concepts and perspectives of health administration science. History of health care and its administration.

**Learning activities and teaching methods:**

Lectures 8 hours and thematic discussion groups 10 h.

**Recommended or required reading:**

Topical literature and material related to social and health policy.

**Assessment methods and criteria:**

Essay and thematic group discussion led by students.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5/Failed.

**Person responsible:**

Juhani Nikkilä

*Compulsory*

**ay351137P-02: Health administration I, part 2 (Introduction to health administration) (OPEN UNI), 3,5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351137P-02 Health administration I, part 2 (Introduction to health administration) 3.5 op



Ei opintojaksokuvauksia.

**ay351137P-01: Health administration I, part 1 (OPEN UNI), 3,5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351137P-01 Health administration I, part 1 3.5 op

Ei opintojaksokuvauksia.

**ay040404A: Health technology and rehabilitation (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040404A Health technology and rehabilitation 5.0 op

**ECTS Credits:**

5 ects.

**Language of instruction:**

Finnish.

**Target group:**

Open university students.

**Prerequisites and co-requisites:**

None.

**Recommended or required reading:**

Heikkinen E. ym. (ed.) 2008 (or more recent). Gerontologia. Kustannus Oy Duodecim. Matikainen E. ym. (eds.) 2004. Toimintakyky. Kustannus Oy Duodecim. STM, Apuvälineiden laatusuositus. Julkaisuja 2003:7. Verkkojulkaisu Apuvälineiden osto-opas. Anna-Liisa Salminen. 2003.(ed.) Apuvälinekirja. Kehitysvammaliitto. Lecture and study materials in Optima web-based learning environment. Current articles from journals and research publications.

**Assessment methods and criteria:**

Webcourse; web-lectures and readings, individual assignments on lecture themes and a written report on one selected theme.

**Grading:**

1-5 / failed.

**Person responsible:**

Professor Markku Alen.

**ay402963A: Humans and Pharmaceuticals (OPEN UNI), 2 op**

**Voimassaolo:** 01.01.2011 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402963A Humans and Pharmaceuticals 2.0 op

**ECTS Credits:**

2 credits

**Language of instruction:**

Finnish

**Learning outcomes:**

Having completed the course, the student knows how to

- explain the causes and drawbacks to using medicine and what kind of medicine is used today, what the impact of medicine is based on, what happens to medicine in our organism and what medicinal products are all about

**Contents:**

- medicine and medicinal products
- the stages of drugs in the organism, forms of dosage and means of effect
- anti-inflammatory medication and painkillers
- medicine used in the treatment of cardiovascular diseases
- medicines with an effect on the functions of the alimentary tract
- psychopharmaceutical drugs
- asthma and allergy medications
- narcotics and other medication with an effect on the central nervous system
- medicine with an effect on the endocrine system
- antimicrobial medications

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students in all faculties

**Prerequisites and co-requisites:**

Basic Studies

**Recommended optional programme components:**

Other courses in Health Education

**Recommended or required reading:**

Koulu, M. & Tuomisto, J. (2007) Farmakologia ja toksikologia. 7. revised edition. Kuopio, Medicina.

**OR**

Pelkonen, O. & Ruskoaho, H. (toim.) (2003) Lääketieteellinen farmakologia ja toksikologia. 3. revised edition. Helsinki, Duodecim.

The availability can be checked [here](#).

**Assessment methods and criteria:**

Participation in teaching and an exam

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Risto Kerkelä

**Working life cooperation:**

None

**ay040012Y: Knowledge and Research (OPEN UNI), 3,5 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040012Y Knowledge and Research 3.5 op

**Voidaan suorittaa useasti:** Kyllä

**ECTS Credits:**

10 ECTS

**Timing:**

1 st and 2 nd year

**Learning outcomes:**

Upon the completion of the studies the student is able to use the available resources of information technology at the University of Oulu, knows how to use the workstations and data communication available in the Medical Faculty independently, is able to utilize the library services and the most commonly used software in their study, and knows the fundamentals of scientific writing.

The student is familiar with the research process and with the characteristics of scientific information including an ability to obtain and process scientific information, and to report and apply the results especially in the fields of medicine, dentistry and health sciences.

The student knows the role of scientific publications, can use and evaluate information sources critically. The student will be able to search research articles using basic literature retrieval methods and to use bibliographic databases available at the Medical Faculty.

Upon the completion of the module the student is able to recognize different study designs and discipline specific research questions. The student knows basic principles in research ethics and good scientific practice.

The student is familiar with statistical computing in the fields of medicine, dentistry and health sciences. Further, the student is able to analyze data with basic statistical methods, use basic statistical significance tests and inference methods, and evaluate critically scientific research reports

**Contents:**

Information and communication technology:

Workstations, information security and confidentiality, networks, and the software needed in the study.

Guidelines for written assignments and word processing:

Structure of assignments and thesis, reporting of findings, tables and figures, citing and references.

Scientific information:

Principles of scientific research, study planning and study designs, ethics in research, research methods in the main disciplines (clinical medicine, epidemiology, biomedicine and health sciences).

Scientific communication:

Scientific journals, research articles, critical evaluation of research findings, ethics in scientific publication and bibliometrics.

Literature retrieval:

Library information systems, medical and dental publications, scientific online journals, Medline, Medic, CINAHL, Scopus, Cochrane Library, electronic books, reference management software.

Scientific communication, study planning, study designs, analyzing research data and reporting.

Special issues in medical research:

Ethics in research, regulations in clinical research and use of animals in scientific research, research groups.

Statistical methods:

Aims and phases of statistical research, planning statistical research, obtaining data, variable distributions (frequencies, graphs and statistics), basics in statistical inference and methods (estimates, significance tests and confidence limits), basic methods in comparing groups and estimating associations between variables, specific methods applied in medical research.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

**1.Ikv (6,5 ECTS ):**

040012-01 (0,5 ECTS) Information and Communication Technology, lessons and small group lessons

040012-02 (1,5 ECTS) Information and Communication Technology, written assignment

040012-03 (0,5 ECTS) Scientific Communication, lessons and theme day

040012-04 (4,0 ECTS) Scientific Communication, small group lessons and assignments

**2.Ikv (3,5 ECTS ):**

040012-05 (1,5 ECTS) Statistical Methods, lessons and written examination

040012-06 (1,0 ECTS) Statistical Methods, small group lessons

040012-07 (1,0 ECTS) Statistical Methods, practical project

**Target group:**

Medical, dental and medical wellness technology students

**Prerequisites and co-requisites:**

None

**Recommended or required reading:**

Material in lessons small group lessons.

Uhari M ja Nieminen P: Epidemiologia ja biostatistiikka. Second Edition. Duodecim, 2012.

**Assessment methods and criteria:**

Regular and active participation in the small group lessons and completion of practical projects. Written examination.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass/fail

**Person responsible:**

Senior lecturer Pentti Nieminen

**Working life cooperation:**

No

*Compulsory*

**ay040012Y-05: Statistical Methods, written examination (OPEN UNI), 1,5 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opettajat:** Pentti Nieminen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040012Y-05 Statistical Methods, written examination 1.5 op

**ay040012Y-07: Statistical Methods, assignments (OPEN UNI), 1 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040012Y-07 Statistical Methods, assignments 1.0 op

**ay040012Y-06: Statistical Methods, small group lessons (OPEN UNI), 1 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** General Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040012Y-06 Statistical Methods, small group lessons 1.0 op

**351138A: Legal Aspects of Health Care, 3 - 5 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

ay351138A Legal Aspects of Health Care (OPEN UNI) 5.0 op

**ECTS Credits:**

3 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

Students are able to define the legislation that regulates the production of health services. Students are able to define the judicial basics of the status of health care professionals as well as their rights and obligations. Students are also familiar with patient's rights and understand their meaning from the viewpoint of legal assessment and responsibility of health care professional activities. Students are able to identify the means of legal protection available to patient.

**Contents:**

Production of health care services, obligations of health care professionals, control and responsibility, patient's status, rights and legal protection.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 10h, independent studying 51h, preparation for exam and exam 23h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Mirva Lohiniva-Kerkelä: Terveystieteiden ja lääkintäalan lakien ja asetusten kääntäminen englanniksi ja HE 9072010 vp. Hallituksen esitys Eduskunnalle terveydenhuoltolaiksi sekä laeiksi kansanterveystalain ja erikoissairaanhoidon lain muuttamiseksi sekä sosiaali- ja terveydenhuollon asiakasmaksuista annetun lain muuttamiseksi (saatavilla eduskunnan palvelimelta [www.eduskunta.fi](http://www.eduskunta.fi), tarkemmin [http://www.eduskunta.fi/triphone/bin/thw/?\\${APPL}=akirjat&\\${BASE}=akirjat&\\${THWIDS}=0.32/1411473212\\_44371&\\${TRIPPIFE}=PDF.pdf](http://www.eduskunta.fi/triphone/bin/thw/?${APPL}=akirjat&${BASE}=akirjat&${THWIDS}=0.32/1411473212_44371&${TRIPPIFE}=PDF.pdf))

Following legislations with applied changes during the period of time:

Decree on Health Care Professionals (564/1994)

Act on the Status and Rights of Patients (785/1992)

Potilasvahinkolaki (585/1986) – currently there is no translation of this document

Health Care Act (1326/2010)

Mental Health Act (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990) - currently there is no translation of this document

**Assessment methods and criteria:**

Written questioning, exam.

**Grading:**

1-5/fail

**Person responsible:**

Part-time teacher

**ay351138A: Legal Aspects of Health Care (OPEN UNI), 5 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351138A Legal Aspects of Health Care 3.0 op

**ECTS Credits:**

3 ECTS cr

**Timing:**

Second year autumn term

**Learning outcomes:**

Students are able to define the legislation that regulates the production of health services. Students are able to define the judicial basics of the status of health care professionals as well as their rights and obligations. Students are also familiar with patient's rights and understand their meaning from the viewpoint of legal assessment and responsibility of health care professional activities. Students are able to identify the means of legal protection available to patient.

**Contents:**

Production of health care services, obligations of health care professionals, control and responsibility, patient's status, rights and legal protection.

**Mode of delivery:**

Contact teaching.

**Learning activities and teaching methods:**

Lectures 10h, independent studying 51h, preparation for exam and exam 23h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Lasse Lehtonen, Mirva Lohiniva-Kerkelä, Irma Pahlman: Terveysjuridiikka, e-kirja, SanomaPro, Terveysfokus.

Following legislations with applied changes during the period of time:

Decree on Health Care Professionals (564/1994)

Act on the Status and Rights of Patients (785/1992)

Potilasvahinkolaki (585/1986) – currently there is no translation of this document

Health Care Act (1326/2010)

Mental Health Act (1116/1990)

Laki yksityisestä terveydenhuollosta (152/1990) - currently there is no translation of this document

**Assessment methods and criteria:**

Written questioning, exam.

**Grading:**

1-5/fail

**Person responsible:**

Part-time teacher Mirva Lohiniva-Kerkelä

## 352252A: Methods of Statistical Analysis in Health Sciences, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352252A Methods of Statistical Analysis in Health Sciences (OPEN UNI) 5.0 op

**Timing:**

**Part I Methods of Statistical Analysis in Health Sciences 3, 5 ECTS cr (352252A-01)**

**Timing:** spring term

**Part II Methods of Statistical Analysis in Health Sciences 3,5 ECTS cr (352252A-02)**

**Timing:** autumn term

*Compulsory*

### 352252A-02: Methods of Statistical Analysis in Health Sciences II, 3,5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352252A-02 Methods of Statistical Analysis in Health Sciences II (OPEN UNI) 3.5 op

**ECTS Credits:**

3,5 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The students know the advanced statistical methods applied in analyzing research data in health sciences. The students are able to apply multivariable methods, especially regression models. The students are able to report the results of multivariable methods used in health science publications and recognize the issues involved in interpreting the results.

**Contents:**

Multivariable methods. Regression models. Factor analysis. Reporting the results. Article evaluation.

**Mode of delivery:**

Contact teaching and group exercise.

**Learning activities and teaching methods:**

Lectures 16h, group exercise and home assignment 40h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following parts of the course Knowledge Management and Research: 040012Y-05, 06, 07 and Methods of Statistical Analysis in Health Sciences: 352252A-01.

**Recommended or required reading:**

Lecture presentations and group work materials.

**Assessment methods and criteria:**

Final examination, accepted written assignments and participation in exercises.

**Grading:**

Pass/fail

**Person responsible:**

Associate Professor Pentti Nieminen

### **352252A-01: Methods of Statistical Analysis in Health Sciences I, 3,5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3, 5 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Upon the completion of the studies the students are able to plan the collection of the data, to transfer the data into a computer processable form and are able to use statistical software and analyze observational

data. The students are able to apply the basic statistical methods in examining research problems in the field of health sciences. Additionally, the students are able to report research results and to recognize the issues important in interpreting the results.

**Contents:**

Basic concepts of statistics. From planning to practice. Data collection. Data preparation. Using statistical software. Estimation and statistical significance. Choosing the methods of analysis. Comparing groups. Repeated measures. Studying associations. Reliability. Reporting the results.

**Mode of delivery:**

Contact teaching and group exercise.

**Learning activities and teaching methods:**

Lectures 16h, group exercise and home assignment 40h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following parts of the course Knowledge Management and Research: 040012Y-05, 06, 07.

**Recommended or required reading:**

Lecture presentations and group work materials.

**Assessment methods and criteria:**

Accepted written assignments and participation in exercises.

**Grading:**

Pass/fail

**Person responsible:**

Associate Professor Pentti Nieminen

**ay352252A: Methods of Statistical Analysis in Health Sciences (OPEN UNI), 5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352252A Methods of Statistical Analysis in Health Sciences 5.0 op

*Compulsory*

**ay352252A-01: Methods of Statistical Analysis in Health Sciences I (OPEN UNI), 3,5 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Person responsible:**

Docent Pentti Nieminen

**ay352252A-02: Methods of Statistical Analysis in Health Sciences II (OPEN UNI), 3,5 op**



**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352252A-02 Methods of Statistical Analysis in Health Sciences II 3.5 op

**Person responsible:**

Docent Pentti Nieminen

## 352233A: Nursing Science, 10 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352233A Nursing Science (OPEN UNI) 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

Upon completion of the course the student is able to define what science and scientific knowledge are and to describe the development, objects of research, approaches and types of research of nursing science. The student is able to discuss the future of nursing science. The student is able to analyse and evaluate nursing theories, and defines evidence based practice.

**Contents:**

Science, being scientific and nursing science. Nursing science and research. Development of nursing science, objectives of nursing science, approaching the object of research and types of research. Future of nursing science. Structure of theory, strategies of theory development, the process of theory development and evaluation. Evidence based practice.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Contact teaching 40h, small group work supervised by teacher 10h, independent studying 75h and written assignment 98h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Eriksson K, Isola A, Kyngäs H, Leino-Kilpi H, Lindström U.Å, Paavilainen E, Pietilä A-M, Salanterä S, Vehviläinen-Julkunen K & Åstedt-Kurki P. 2007 tai uudempi. Hoitotiede, Helsinki, WSOY.

Lauri S. & Kyngäs. H. 2005. Hoitotieteen teorian kehittäminen. WSOY.

McEwen M. & Wills EM. 2007. Theoretical basis for nursing. 2nd ed. Lippincott Williams& Wilkins. Pages 1-114, 224-272.

PhD dissertation which develops a theory or articles related to theory development.

Other relevant scientific literature.

**Assessment methods and criteria:**

Active participation in lectures and group work. Written assignment.

**Grading:**

1-5/ fail

**Person responsible:**

Professor/ university lecturer

**ay352233A: Nursing Science (OPEN UNI), 10 op****Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

352233A Nursing Science 10.0 op

**ECTS Credits:**

9 ECTS cr

**Timing:**

Third year autumn term

**Learning outcomes:**

Upon completion of the course the student is able to define what science and scientific knowledge are and to describe the development, objects of research, approaches and types of research of nursing science. The student is able to discuss the future of nursing science. The student is able to analyse and evaluate nursing theories, and defines evidence based practice.

**Contents:**

Science, being scientific and nursing science. Nursing science and research. Development of nursing science, objectives of nursing science, approaching the object of research and types of research. Future of nursing science. Structure of theory, strategies of theory development, the process of theory development and evaluation. Evidence based practice.

**Mode of delivery:**

Multidimensional teaching methods.

**Learning activities and teaching methods:**

Guided exercises 50h, working in small groups 20h, independent studying 75h and written assignment 98h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Eriksson K, Isola A, Kyngäs H, Leino-Kilpi H, Lindström U.Å, Paavilainen E, Pietilä A-M, Salanterä S, Vehviläinen-Julkunen K & Åstedt-Kurki P. 2007 tai uudempi. Hoitotiede, Helsinki, WSOY.

Lauri S. & Kyngäs. H. 2005. Hoitotieteen teorian kehittäminen. WSOY.

McEwen, M. & Wills, E.M. Theoretical basis for nursing. Second Edition. Lippincott Williams & Wilkins 2007, sivut 1-114, 224-272. PhD dissertation which develops a theory or articles related to theory development.

Other relevant scientific literature.

**Assessment methods and criteria:**

Active participation in lectures and group work. Written assignment.

**Grading:**

5-1/fail

**Person responsible:**

Professor/ university lecturer

**ayA540301: Nursing Science, basic studies (OPEN UNI), 25 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Study module**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

A540301 Nursing Science, basic studies 28.5 op

Ei opintojaksokuvauksia.

*Compulsory***ay351008P: Research methods (basic) (OPEN UNI), 2 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen oppimateriaali:****Paunonen, M. & Vehviläinen-Julkunen, K.**, , 1997, pakollinen**Hirsjärvi, Sirkka**, , 2007, pakollinen**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

351008P Research methods (basic) 2.0 op

**ECTS Credits:**

2 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: After completing the course the student is familiar with aims and principles of scientific research and she/he is able to describe the phases of research process.

**Contents:**

The aims and principles of scientific research, and research process.

**Mode of delivery:**

Distance teaching

**Learning activities and teaching methods:**

Independent studying

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

Part of the research studies

**Recommended or required reading:****Hirsjärvi, S., Remes, P. & Sajavaara, P.** 2009. Tutki ja kirjoita. 15th edition. Tammi, Helsinki. Main chapters I and II.**Paunonen, M., & Vehviläinen-Julkunen, K.** 1997. (edit.) Hoitotieteen tutkimusmetodiikka. WSOY, Juva. Chapters 1 and 2.You can check the literature availability at [this link](#)**Assessment methods and criteria:**

Literature examination.

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

1-5 / fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

**Other information:**

The course is substituted to those students who have accomplished the degree in social and health care at the university of applied sciences.

**ay350031P: Theoretical basis of social and health care (OPEN UNI), 23 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350031P Theoretical basis of social and health care 23.0 op

**ECTS Credits:**

23 ECTS

**Language of instruction:**

Finnish

**Contents:**

The course consists of four parts:

ay350031P-01 Nursing in social and health care (6 ECTS)

ay350031P-02 Ethics in nursing (6 ECTS)

ay350031P-03 History of nursing (6 ECTS)

ay350031P-04 Research of nursing science (5 ECTS)

**Learning activities and teaching methods:**

Independent studying

**Assessment methods and criteria:**

Literature examinations

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

*Compulsory*

**ay350031P-01: Nursing in social and health care (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350031P-01 Nursing in social and health care 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning activities and teaching methods:**

Independent studying

**Recommended or required reading:**

Lammi-Tastula J. (toim.). 2011. Sosiaali- ja terveydenhuollon perusteet. **7 ed.** Helsinki, WSOYpro;  
Pietilä A-M. (toim.). 2010. Terveyden edistäminen: teorista toimintaan. Helsinki, WSOYpro.

**Assessment methods and criteria:**

Literature examination.

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**ay350031P-04: Research of nursing science (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350031P-04 Research of nursing science 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning activities and teaching methods:**

Independent studying

**Recommended or required reading:**

The previous year's volume of Tutkiva hoitotyö magazine.

**Assessment methods and criteria:**

Literature examination

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**ay350031P-03: History of nursing (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350031P-03 History of nursing 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning activities and teaching methods:**

Independent studying

**Recommended or required reading:**

Sorvettula, Maija (1998): Johdatus suomalaisen hoitotyön historiaan. Suomen Sairaanhoidajaliitto ry., Helsinki.

**Assessment methods and criteria:**

Literature examination

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

Pass / Fail

**ay350031P-02: Ethics in nursing (OPEN UNI), 6 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Partial credit**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

350031P-02 Ethics in nursing 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning activities and teaching methods:**

Independent studying

**Recommended or required reading:**

Leino-Kilpi, H. & Välimäki, T. Etiikka hoitotyössä. 5.-6. eds., 2009 or 2010.

**Assessment methods and criteria:**

Literature examination

Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

Pass / Fail

**ayA540302: Nursing Science, intermediate studies (OPEN UNI), 35 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Intermediate Studies**Laji:** Study module**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A540302 Nursing Science, intermediate studies 47.0 op

Ei opintojaksokuvauksia.

*Compulsory*

**ay350005Y: Statistics (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350005Y Statistics 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: Student is able to get numeric observational data and plan quantitative research process. Student is able to describe things which are examined by tables, figures and parameters. Student is able to use the principles of distributions and test theories and statistic reasoning methods and models in quantitative data.

**Contents:**

The basic concept of statistic. Sampling methods. Observation matrix and scale. one-dimensional distribution and its parameters. Two-dimensional distribution and its interdependence numbers. Random variable and its distribution. Discrete variable and continuous probably variable. Statistical reasoning. Estimating, significant testing.

**Mode of delivery:**

The course will be divided in two parts: I= Descriptive statics which will be taught on autumn term and II= Reasoning statics which will be taught on spring term.

**Learning activities and teaching methods:**

Lectures 40 hours. Individual and group work 50 hours.

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

Basics of mathics, sum,- subtraction,- multiplication- and division. Power, square root.

**Recommended optional programme components:**

This course need to be completed before attending to the course 350007Y Applied statistics and ADP.

**Recommended or required reading:**

Karjalainen, A. & Laukkala, H. Luentomoniste 2008. Tilastollisen tutkimuksen perusteista.

Heikkilä, T. 1998. Tilastollinen tutkimus. Edita.

Helenius, H. 1989. Tilastollisten menetelmien perustiedot. Statcon Oy.

Läärä, E. & Lammi. 1989. Tilastotieteen perusteet lääketiedettä ja lähialoja varten. Luentomoniste. Kuopion

yliopiston ylioppilaskunta.

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**Person responsible:**

Helena Laukkala

**Working life cooperation:**

Not included.

**ay350007Y: Applied statistics and ADP (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Uhari, Matti** , , 2001, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

350007Y Statistical computing 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: The student can design data collection, she/he can enter the data to computer and can use statistical software to analyze the data. The student is able to report results and can critically read research articles

**Contents:**

Statistical research. Planning of statistical computing. Data entry. Use of statistical software. Variable distributions. Variable transforms. Comparing groups. Repeated measurements. Correlation. Multivariate methods.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 12 hours, group work 21 hours, a practical projects and home-works.

**Target group:**

Students in Degree Program in Nursing Science, Teacher Training Program in Health Science and Degree Program in Health Administration science.

**Prerequisites and co-requisites:**

Participation prerequisites completion of the course 350005Y Statistics.

**Recommended optional programme components:**

This study unit is a part of studies in research methods.

**Recommended or required reading:**

Uhari M & Nieminen P. 2001. Epidemiologia ja biostatiikka. Duodecim.



**Assessment methods and criteria:**

Exam, written report about data analysis and participation in workgroups.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Failed

**Person responsible:**

Pentti Nieminen, Ph.D., Faculty of Medicine

**Working life cooperation:**

No

**ay352221A: Theory development and evaluation (OPEN UNI), 3 - 5 op**

**Voimassaolo:** 01.08.2013 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Lauri, Sirkka** , , 2005, pakollinen

**McEwen, M. & Wills, E.M.** , 2002, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352221A Theory development and evaluation 3.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: The student can analyse and evaluate nursing theories. The student can describe the most important phases of theory development.

**Contents:**

Structure of theory, strategies of theory development, the process of theory development and evaluation, history of theory development.

**Mode of delivery:**

Contact and distance teaching

**Learning activities and teaching methods:**

Face to face teaching 15 hours including lectures and seminars. Independent work.

**Target group:**

Students of Degree program in nursing science and Teacher training program in health science

**Prerequisites and co-requisites:**

Please see the recommended optional programme components

**Recommended optional programme components:**

Part of the intermediate studies of the nursing science

**Recommended or required reading:**

Lauri S. & Kyngäs. H. 2005. Hoitotieteen teorian kehittäminen. WSOY. - McEwen, M. & Wills, E.M.

Theoretical basis for nursing. Second Edition. Lippincott Williams & Wilkins 2007, pages 1-114, 224-272.

PhD dissertation where is developed theory.

You can check the literature availability at [this link](#)

**Assessment methods and criteria:**

Contact teaching 15 hours. Cooperative and independent studying.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

5-1/ Fail

**Person responsible:**

Professor in nursing science.

**Working life cooperation:**

No

**ay352107A: Research methods I (OPEN UNI), 6 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Polit, Denise F. , , 2004, pakollinen**

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352107A Research methods I 6.0 op

**ECTS Credits:**

6 ECTS

**Language of instruction:**

Finnish / English

**Learning outcomes:**

Learning outcomes:

The student gets familiar with methodological issues and the process of scientific research.

Upon completion the student:

- is able to formulate a research problem and research purpose and design a research
- is able to review and evaluate scientific research
- is able to design qualitative and quantitative research methods
- knows the requirements of a good scientific writing
- is able to evaluate ethical considerations
- is able to evaluate the basic criteria to assess the quality of quantitative and qualitative studies

**Contents:**

The overview of research process, literature reviews, data collection, analysis of research data, reliability, addressing ethical issues, writing a research proposal.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Lectures and practice 30 hours, independent studying and exam 130 hours.

**Target group:**

Students in Degree program in nursing science, Teacher training program in health science, Degree program in health administration science, Degree program in radiography and Degree program in clinical laboratory science.

**Prerequisites and co-requisites:**

Please see the recommended optional programme components.

**Recommended optional programme components:**

Research methods (basic).

**Recommended or required reading:**

Polit DF & Beck CT. 2011. Nursing Research. Generating and assessing evidence for nursing practice. Lippincott Williams & Wilkins, Philadelphia.  
Topical scientific articles.

You can check the availability of literature at [this link](#)

**Assessment methods and criteria:**

Participation in exercises, working groups and exam.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5 / fail

**Person responsible:**

Senior lecturers

**Working life cooperation:**

No

**ay352114A-01: Seminars (OPEN UNI), 10 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352114A-01 Seminars 0.0 op

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: After completing the course the student is able to write Bachelor's thesis based on research literature or empirical data according to principles of scientific research. The student is able to present the research.

**Contents:**

Planning, carrying on and evaluating the research process. Writing a Bachelor's thesis based on literature and/or empirical data.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Individual studying, group guidance and seminar.

**Target group:**

Students in nursing science and in health administration science.

**Prerequisites and co-requisites:**

Please see the recommended optional programme components-

**Recommended optional programme components:**

350008P Research methods (basic) and 352107A Research methods I.

**Recommended or required reading:**

Literature related to the topic of the Bachelor's thesis.

**Assessment methods and criteria:**

Writing the Bachelor's thesis and presenting it. Written maturity test.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate and lecturer

**Working life cooperation:**

No

**ay351101P: Nursing science I (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen oppimateriaali:**

**Eriksson, K., Isola, A., Kyngäs, H., Leino-Kilpi, H., Lindstöm, U., Paavilainen, E., Pietilä, A., Sa, ,**  
2007, pakollinen

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351101P Nursing science I 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Learning outcomes: After the course the student

- is able to define what are science and scientific knowledge
- is able to describe the development of nursing science
- is able to tell the meaning of nursing science
- is able to describe the objectives of research, methodology and methods in nursing science
- is able to explain evidence based nursing practise
- is able to discuss about future of nursing science

**Contents:**

Science, scientific knowledge and nursing science. Meaning of nursing science. Nursing science and research. Objectives of nursing science, methodology of research and methods. Evidence based nursing practise. Future of nursing science.

**Mode of delivery:**

Blended teaching

**Learning activities and teaching methods:**

Lectures 25 hrs, active participation in group working 12 hrs and writing an essay independently 98 hrs.

**Target group:**

Students of Degree programme in Nursing Science

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

Is a part of basic studies in Nursing science

**Recommended or required reading:**

Eriksson K, Isola A, Kyngäs H, Leino-Kilpi H, Lindström U.Å, Paavilainen E, Pietilä A-M, Salanterä S, Vehviläinen-Julkunen K & Åstedt-Kurki P. 2007 or newer. Hoitotiede, Helsinki, WSOY.  
Articles from Journal of Hoitotiede and international nursing science journals 100 pages

You can check the literature at [this link](#)

**Assessment methods and criteria:**

Lectures, active participation in group working and writing an independent essay.  
Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

1-5 / fail

**Person responsible:**

Professor in nursing science

**Working life cooperation:**

No

**352231A: Philosophical Foundations of Health Sciences, 4 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352231A Philosophical Foundations of Health Sciences (OPEN UNI) 4.0 op

**ECTS Credits:**

4 ECTS cr

**Timing:**

autumn term

**Learning outcomes:**

The student will be able to respond to philosophical questions of research relating to information, objectives of science, the nature of scientific thinking, and the foundations of the study of human sciences.

**Contents:**

Philosophical foundations of science and the basic concepts of research from the point of view of the philosophy of science. Positivist and hermeneutical approach. Phenomenology. Interests of knowledge. The foundations of scientific reasoning and of creating scientific concepts and theory.

**Mode of delivery:**

Contact teaching and group discussions.

**Learning activities and teaching methods:**

Lectures and group discussions 15h, independent studying and writing of an essay 27h, reading of literature 46h, preparation for exam and exam 20h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Lecture presentations and the following literature:

Raatikainen P. 2004 (tai uudempi painos). Ihmistieteet ja filosofia. Gaudeamus, Helsinki.

**Assessment methods and criteria:**

Active participation is required in contact teaching (80%) and group discussions (100%), independent studying, completion of given essay and taking part in an examination. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

Part-time teacher

**ay352231A: Philosophical Foundations of Health Sciences (OPEN UNI), 4 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352231A Philosophical Foundations of Health Sciences 4.0 op

**ECTS Credits:**

4 ECTS cr

**Timing:**

Second year spring term

**Learning outcomes:**

The student will be able to respond to philosophical questions of research relating to information, objectives of science, the nature of scientific thinking, and the foundations of the study of human sciences.

**Contents:**

Philosophical foundations of science and the basic concepts of research from the point of view of the philosophy of science. Positivist and hermeneutical approach. Phenomenology. Interests of knowledge. The foundations of scientific reasoning and of creating scientific concepts and theory.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Lecture presentations and the following literature:

Salonen T. 2007 tai uudempi painos. Tieteenfilosofia. Lapin yliopisto, Rovaniemi.

Raatikainen P. 2004 tai uudempi painos. Ihmistieteet ja filosofia. Gaudeamus, Helsinki.

**Person responsible:**

Part-time teacher

## ayA551101: Preliminary Studies of Health Sciences (OPEN UNI), 25 op

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** Basic Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A551101 Preliminary Studies of Health Sciences 25.0 op

Ei opintojaksokuvauksia.

*Compulsory*

## ay351201P: Preliminary Studies of Health Sciences II: Foundations of Health Sciences (OPEN UNI), 15 op

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351201P Preliminary Studies of Health Sciences II: Foundations of Health Sciences 15.0 op

Ei opintojaksokuvauksia.

*Compulsory*

**ay351201P-01: Introduction to Health Sciences (OPEN UNI), 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351201P-01 Introduction to Health Sciences 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

Student is able to use the online learning environment, study independently, and evaluate their own learning philosophy and learning style and process in health sciences. The student is able to define science and the various fields of science. The student is able to further explain the position of health sciences among the different fields of science. The student is capable of identifying current issues of research in health sciences in Finland and/or on an international level, in health care management/ in nursing science/ in health science teaching.

**Contents:**

E-learning environment Optima, personal learning philosophy and style in health sciences. Identifying different areas of science and the position of health sciences among the different fields of science, current issues of research in health sciences and health care management.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying, learning to manage the e-learning environment Optima 8h, reading literature and producing a mind map 19h, making a search of scientific literature and reading 85h, preparation for exam 20h and exam 3h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

E-learning environment provides materials for reading, relevant scientific literature.

**Assessment methods and criteria:**

Active and independent study is required in the e-learning environment. Students actively read literature and produce a mind map, make a literature search and read scientific articles, e-learning exam. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

**ay351201P-02: Professional Philosophy and Ethics in Social and Health Care (OPEN UNI), 3 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351201P-02 Professional Philosophy and Ethics in Social and Health Care 3.0 op

**ECTS Credits:**

3 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

The student is able to define the philosophy, ethics and fundamental values of social and health care services. The student is able to identify the norms and ethical principles underlying the operation of health care, to recognize the central ethical issues in health care, is able to compare the effect of the norms and regulations arising from different cultural backgrounds on health care and patient care. The student is able to examine ethical decision making in the operational environment of social and health care.

**Contents:**

Ethical principles and professional ethics, examination of ethical questions from different perspectives and the effect of culture in social and health care.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Reading of literature 40h, evaluating the received information and writing of the assignment 41h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Materials/reports of National Advisory Board on Social Welfare and Health Care Ethics ETENE, Ethical grounds for the social and health care field (2011), and other relevant scientific literature, Kangasniemi M., Vaismoradi M., Jasper M., Turunen H. 2013. Ethical issues in patient safety: Implications for nursing management. Nursing Ethics 1-13.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete the writing assignment. This course unit utilizes final assessment based on written assignment.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

### ay351201P-03: Fundamentals of Research Methods in Health Sciences (OPEN UNI), 2 op

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351201P-03 Fundamentals of Research Methods in Health Sciences 2.0 op



**ECTS Credits:**

2 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

Student is able to define Evidence Based Practice by linking research with practice. Student is able to define the general process of research planning and choosing of research method at the beginners' stage. Student identifies the differences between qualitative and quantitative studies. Student recognizes the main principles of good scientific writing, and gains the ability in referencing.

**Contents:**

Evidence-based practice. Identification of a research problem. Literature review. The beginning stage of developing a theoretical context and choosing of a method. Qualitative and quantitative research process. Scientific writing and referencing.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying and reading in e-learning environment 40h, preparation for exam 12h, exam 2h.

**Target group:**

Health science students without prior qualification in social and health care from a University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Relevant scientific literature,  
Hirsijärvi S., Remes P. ja Sajavaara P., 2004. Tutki ja kirjoita. Gummerus Kirjapaino Oy, Jyväskylä 2004.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature. This course unit utilizes final assessment based on exam in the e-learning environment.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/doctoral candidate

**ay351201P-04: Foundations of Social and Health Care Education (OPEN UNI), 5 op****Opiskelumuoto:** Basic Studies**Laji:** Partial credit**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

351201P-04 Foundations of Social and Health Care Education 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

Student is able to classify the general principles of Finnish education and the programmes of the Finnish National Board of Education. The student is able to differentiate the Finnish Education

System (ISKED-classification), social and health care education system, main goals and strategies of the Finnish Ministry of Education and Culture, internationalism and co-operation. The student is able to justify their understanding of the subject in written home assignments.

**Contents:**

Social and health care education system. Education policy in Finland. Objectives and programmes of Finnish Education. Internationalization in Finnish higher education institutions. Legislation of Finnish higher education.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying in the e-learning environment, reading of literature 77h, evaluating received information and writing assignments 58h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Materials/reports of Ministry of Education and Culture, Academy of Finland, Finnish legislation of higher education.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete written assignments. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

University teacher/doctoral candidate

**ay351202P: Preliminary Studies of Health Sciences: Foundations of Social and Health Care (OPEN UNI), 10 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351202P Preliminary Studies of Health Sciences: Foundations of Social and Health Care 10.0 op

**ECTS Credits:**

10 ECTS cr

**Timing:**

First year autumn term

**Learning outcomes:**

The student is able to define the philosophy, ethics and fundamental values of social and health care services. The student is able to identify the norms and ethical principles underlying the operation of health care, to recognize the central ethical issues in health care, is able to compare the effect of the norms and regulations arising from different cultural backgrounds on health care and patient care. The student is able to examine ethical decision making in the operational environment of social and health care.

**Contents:**

Ethical principles and professional ethics, examination of ethical questions from different perspectives and the effect of culture in social and health care.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Reading of literature 40h, evaluating the received information and writing of the assignment 41h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Materials/reports of National Advisory Board on Social Welfare and Health Care Ethics ETENE, Ethical grounds for the social and health care field (2011), and other relevant scientific literature, Kangasniemi M., Vaismoradi M., Jasper M., Turunen H. 2013. Ethical issues in patient safety: Implications for nursing management. Nursing Ethics 1-13.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete the writing assignment. This course unit utilizes final assessment based on written assignment.

**Grading:**

Pass/fail

**Person responsible:**

Doctoral candidate

*Compulsory*

**ay351202P-01: Social and Health Care Systems in Finland and Inter-professional Networking (OPEN UNI), 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351202P-01 Social and Health Care Systems in Finland and Inter-professional Networking  
5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

First year spring term

**Learning outcomes:**

Student is able to classify the general principles of the Finnish social and health care system and public health programs of prevention by comparing their principles and programs to those of the World Health Organization. The student is able to distinguish the main functions of inter-professional networking. The student is able to plan, classify and justify their new health prevention program with the right ethical focus of health science and patients' wellness.

**Contents:**

Ministry of social affairs and health state, its goals and duties, strategies and programs. Department for the promotion of welfare and health in Finland, Finnish health care policy. Finnish social and health care services, organization of these services and social protection. World Health Organization. Planning of Inter-professional Health and Wellbeing Promotion and Prevention. Inter-professional co-operation and support for the client.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent active studying in the e-learning environment, in the first part of the course: reading of literature 78h and exam 3h in the e-learning environment, in the second part of the course: reading of literature 40h and writing of an assignment and designing a health promotion leaflet 20h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Materials/reports of Ministry of Social Affairs and Health, National Institute for Health and Welfare, World Health Organization, Finnish legislation of health care, relevant scientific literature and Lammi-Taskula, J. (toim.) 2012. Sosiaali- ja terveydenhuollon perusteet. 7.-8.painos.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. In the first part the students actively read literature and prepare for the online exam. In the second part the student completes a home assignment including an argumentation with the goal of creating a health promotion leaflet. This course unit utilizes continuous assessment.

**Grading:**

Pass/fail

**Person responsible:**

University lecturer /doctoral candidate

**ay351202P-02: Foundations of Health Care Legislation (OPEN UNI), 5 op**

**Opiskelumuoto:** Basic Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

351202P-02 Foundations of Health Care Legislation 5.0 op

**ECTS Credits:**

5 ECTS cr

**Timing:**

First year spring term

**Learning outcomes:**

Student is able to classify the general foundations of Finnish social and health care legislation. Student receives preliminary knowledge in social and health care management.

**Contents:**

Legislation in the promotion of welfare, social and health services, working life and gender equality. Management skills and legislative grounds of management in social and health care fields. Finnish Ministry of Justice.

**Mode of delivery:**

Teaching in the e-learning environment Optima.

**Learning activities and teaching methods:**

Independent studying in the e-learning environment, reading of literature 77h, evaluating received information and writing assignment 58h.

**Target group:**

Health science students without prior qualification in social and health care from an Institute of Nursing or University of Applied Sciences, or other universities, and/or Open University.

**Recommended or required reading:**

Materials/reports of Parliament of Finland, Ministry of Social Affairs and Health, Statistics of Finland, Ministry of Justice in Finland, Finnish legislation of health care and other relevant scientific literature.

**Assessment methods and criteria:**

Active and independent studying is required in the e-learning environment. Students actively read literature and complete the writing assignment. This course unit utilizes final assessment based on written assignment

**Grading:**

Pass/fail

**Person responsible:**

University lecturer/doctoral candidate

## ay352251A: Qualitative Research Methods in Health Sciences (OPEN UNI), 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

352251A Research Methods in Health Science 5.0 op

**ECTS Credits:**

4 ECTS cr

**Timing:**

Second year spring term

**Learning outcomes:**

Student is able to choose relevant research methods for the subject of research; knows the requirements of good scientific writing; is able to evaluate basic ethical issues relating to research and researchers, is able to evaluate and define trustworthiness of qualitative studies. Student is able to write a research plan.

**Contents:**

Collecting qualitative research data and analyzing it, trustworthiness in qualitative research, principles of research ethics, writing of a research plan and a research report.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Lectures and exercises 25h, e-learning 10h, independent studying and group work 73h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Active participation in exercises and group work.

**Grading:**

1-5/fail

**Person responsible:**

University lecturer

## ayA549501: Rehabilitation Science (OPEN UNI), 25 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A549501 Rehabilitation Science 25.0 op

*Compulsory*

**ay040600P: Basic studies in rehabilitation (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040600P Basic studies in rehabilitation 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course the student should be able to view rehabilitation as an inter-professional whole, a multi- and interdisciplinary field of study, a social activity system, and a process of change concerning the individual and his/her environment. The student should have a general understanding of how the process of rehabilitation has changed and developed as society has progressed. The student should be able to use essential basic terminology of the field and understand the theoretical viewpoints behind the concepts.

**Contents:**

The concept of rehabilitation and its different definitions. The current state of rehabilitation based on historical development and central trends. Rehabilitation and values. Rehabilitation as a social activity system in the welfare state. Rehabilitation as a learning process and as a process of change for the individual and his/her environment. Ability to function, empowerment, and social participation. The basics of the ecological and disability-oriented models of rehabilitation.

**Mode of delivery:**

Online studies

**Recommended or required reading:**

1. Online material
2. Järvikoski, A. & Härkäpää, K.: Kuntoutuksen perusteet. WSOY, 2011.
3. Kallanranta, T. & Rissanen, P. & Viikkumaa I. (eds.) 2001: Kuntoutus. Duodecim (634 p.) or the newer version Kallanranta, T. & Rissanen, P. & Suikkanen, A. (eds.): Kuntoutus. Duodecim.

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Kristiina Härkäpää

**ay040610P: Rehabilitation client groups, clientship and collaboration (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040610P Rehabilitation client groups, clientship and collaboration 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course the student should be familiar with different client types and client groups and how client relationships are formed in rehabilitation work. The student should also be familiar with the formation of inter-professional rehabilitation groups and the methods required in working with rehabilitation clients.

**Contents:**

1. Formation of clientship and the role of the client. 2. Expertise of the client: the role of the rehabilitee and the rehabilitator. The core of clientship. 3. Clients and the sense of community. 4. Client groups and different clientships in rehabilitation. 5. The position of the rehabilitee in the rehabilitation system. 6. Active methods for evaluating and controlling client situations. 7. Individual rehabilitation paths. 8. Teamwork and inter-professionalism. 9. Goals and operation of co-operative client groups in rehabilitation. Goals of rehabilitation.

**Mode of delivery:**

Online studies

**Recommended or required reading:**

Kallanranta T, Rissanen P, Suikkanen A. (eds.) 2008. Kuntoutus. Duodecim. Applicable parts.

Kokko, R.-L. 2003. Asiakas kuntoutuksen yhteistyöryhmässä. Institutionaalisen kohtaamisen jännitteitä. Kuntoutussäätiö.

Koukkari M. 2010. Tavoitteena kuntoutuminen. Kuntoutujien käsityksiä kokonaisvaltaisesta kuntoutuksesta ja kuntoutumisesta. Doctoral thesis. Acta Universitatis Lapponiensis 179, Rovaniemi.

Sipari S. 2008. Kuntouttava arki lapsen tueksi. Kasvatuksen ja kuntoutuksen yhteistoiminnan rakentuminen asiantuntijoiden keskusteluissa. Doctoral thesis. Jyväskylä Studies in Education, Psychology and Social Research 342, University of Jyväskylä.

Järvikoski A, Hokkanen L, Härköpää K. (eds.). Asiakkaan äänellä. Odotuksia ja arvioita vaikeavammaisten lääkinnällisestä kuntoutuksesta. Helsinki: Kuntoutussäätiön tutkimuksia 80/2009.

The last year's volume of Kuntoutus magazine.

Current articles and research.

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

### ay040618P: Usebility I (OPEN UNI), 5 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040618P Useability I 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course the student should have a broad understanding of what is necessary to create and maintain an accessible physical, mental, and social environment for the rehabilitee. The student should also be able to evaluate these environments. The student should be able to grasp how significant a requirement accessibility is to the maximal function and work ability of the rehabilitee.

**Contents:**

Central topics discussed include: dimensions of functionality in different age groups, problem of discrimination, community planning, accessibility solutions in the workplace, and the challenges modern communication and the information society pose to rehabilitation. Additionally, the ICF model is used to evaluate the rehabilitee's environment and ability to function.

**Learning activities and teaching methods:**

Online studies

**Recommended or required reading:**

1. Toimintakyvyn, toimintarajoitteiden ja terveyden kansainvälinen luokitus ICF. Stakes 2004.
2. Salminen, A-L. (ed.): Apuvälinekirja. Kehitysvammaliitto 2003.
3. Voutilainen P. & Vaarama M.: Toimintakykymittareiden käyttö ikääntyneiden palvelutarpeen arvioinnissa. Stakes raportteja 2005:7.
4. Lepola O. & Villa S. (eds.): Syrjintä Suomessa 2006. Ihmisoikeusliitto ry 2007.
5. Hurnasti T.: Apuvälinepalveluja ohjaavien käsitteiden tulkintaa. Stakesin työpapereita 2006:22.
6. Aalto A-M. ym.: RAND-36 Terveysteen liittyvä elämänlaadun mittarina. Mittarin luotettavuus ja suomalaiset väestöarvot. Stakes tutkimuksia 1999:101.
7. Ilmarinen J.: Pitkää työuraa! Ikääntyminen ja työelämän laatu Euroopan Unionissa. Työterveyslaitos ja STM 2005.
8. Terveys 2015 Kansanterveysohjelma. STM julkaisuja 2001:4.

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Eeva Leino, Maria Luojus and Anne Kanto-Ronkanen

### **ay040617P: Development and evaluation of rehabilitation science I (OPEN UNI), 5 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

040617P Development and evaluation of rehabilitation science I 5.0 op

**ECTS Credits:**

5 ECTS



**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course:

- 1) The student should have an overall understanding of the purposes of rehabilitation science and the essential research questions in the field. The student should be familiar with the common evaluation and research methods used in the field and be able to evaluate the applicability of these methods to different research questions. The student familiarises himself/herself with several example studies concerning sound practices and the quality and effectiveness of rehabilitation conducted using various different research methods. The student also familiarises himself/herself with several on-going EU programmes and examples of development programmes and projects initiated by different ministries and the Social Insurance Institution of Finland.
- 2) The student should be familiar with the basic structure of a research article or publication (introduction, theoretical background, aims and research questions, methods, ethical questions, results, and conclusions and reflection) and its different applications. The student should be able to critically analyse scientific publications and make improvement suggestions.

**Contents:**

- 1) Different fields of rehabilitation research and relevant research strategies. Effectiveness evaluations and the evaluation of rehabilitation processes and sound rehabilitation practices.
- 2) Online material: research and review publications (available on Optima).
- 3) On-going European Social Fund programme and various national projects initiated by different ministries.
- 4) Analysis of one research article from the field of rehabilitation science. Students are divided into small groups to answer questions concerning the goals, results, and conclusions of the article.

**Mode of delivery:**

Online studies

**Recommended or required reading:**

1. Aalto, A-M. ym. (eds.) 2002: Kannattaako kuntoutus? Asiantuntijakatsaus eräiden kuntoutusmuotojen vaikuttavuudesta Stakes (158 s.), Helsinki,;
2. Järvikoski, A. et al. 2003: Kuntoutuksen tutkimus: tehtävät ja mahdollisuudet. Kuntoutus 2003:4:20-32;
3. Robson C. 2001: Käytännön arvioinnin perusteet. Tammi (222 s.). One article for a studygroup to cover (an article can be found in Optima).

**Assessment methods and criteria:**Read more about [assessment criteria](#) at the University of Oulu webpage.**Grading:**

0-5

**ay040616P: The services of rehabilitation I (OPEN UNI), 5 op****Voimassaolo:** 01.08.2012 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Open University, Oulu**Arvostelu:** 1 - 5, pass, fail**Opetus suunnattu:** Open University, Oulu**Opintokohteen kielet:** Finnish**Leikkaavuudet:**

040616P The services of rehabilitation I 5.0 op

**ECTS Credits:**

5 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

Upon completion of the course the student should be able to view the different service systems and networks of rehabilitation from the perspectives of society, community, and rehabilitees of different types and ages. The student should be able to critically analyse the problematic areas of rehabilitation and questions of responsibility between service systems. The student should also have grasped the basics of client-specific rehabilitation planning.

**Contents:**

The course familiarises the student with the service systems of medical, professional, social, and educational rehabilitation and the relevant legislation. The regional applications of service systems are also discussed, as is the distribution of work and responsibility. Additionally, rehabilitation and service plans are discussed in terms of significance and operational requirements.

**Learning activities and teaching methods:**

Online studies

**Recommended or required reading:**

1. Järvikoski A. & Härkäpää K.: Kuntoutuksen perusteet. WSOY, 2011
2. Kallanranta T., Rissanen P. & Vilkkumaa I.: Kuntoutus. Duodecim, 2007.
3. Työterveys ja kuntoutus, työterveyshuollon, työpaikkojen ja kuntoutuksessa toimivien yhteistyö. STM selvityksiä 2007:60
4. Online service KunNet (www.kunnet.fi) and other extra material that will be announced during the course.

**Assessment methods and criteria:**

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Eeva Leino, Maria Luojus and Anne Kanto-Ronkanen

## 352251A: Research Methods in Health Science, 5 op

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352251A    Qualitative Research Methods in Health Sciences (OPEN UNI)    5.0 op

**ECTS Credits:**

4 ECTS cr

**Timing:**

spring term

**Learning outcomes:**

Student is able to choose relevant research methods for the subject of research, knows the requirements of good scientific writing, is able to evaluate basic ethical issues relating to research and researchers, is able to evaluate and define trustworthiness of qualitative studies. Student is able to write a research plan.

**Contents:**

Collecting qualitative research data and analyzing it, trustworthiness in qualitative research, principles of research ethics, writing of a research plan and a research report.

**Mode of delivery:**

Multidimensional teaching.

**Learning activities and teaching methods:**

Lectures and exercises 25h, e-learning 10h, independent studying and group work 73h.

**Target group:**

Undergraduate health science students.

**Prerequisites and co-requisites:**

Student has to have completed the following course: **351201P-03 Fundamentals of Research Methods in Health Sciences 2 ECTS cr**

**Recommended or required reading:**

Relevant scientific literature.

**Assessment methods and criteria:**

Active participation in exercises and group work.

**Grading:**

1-5/fail

**Person responsible:**

University lecturers of nursing and health management sciences

**ayA551102: Subject Studies in Health Sciences (OPEN UNI), 35 op**

**Voimassaolo:** 01.08.2014 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

A551102 Subject Studies of Health Sciences 35.0 op

Ei opintojaksokuvauksia.

**A551102: Subject Studies of Health Sciences, 35 - 65 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Study module

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ayA551102 Subject Studies of Health Sciences (OPEN UNI) 35.0 op

Ei opintojaksokuvauksia.

*Compulsory*

**352114A: Bachelor Thesis and Written Maturity Test, 6 op**

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Arvostelu:** 1 - 5, pass, fail

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

ay352114A Bachelor thesis 6.0 op

**Required proficiency level:**

Student has to have completed the courses:

352251 Qualitative Research Methods in Health Sciences 4 ECTS cr,

352252A-01 Methods of Statistical Analysis in Health Sciences Part I 3,5 ECTS cr,

352252A-02 Methods of Statistical Analysis in Health Sciences Part II 3,5 ECTS cr.

**ECTS Credits:**

10 ECTS

**Language of instruction:**

Finnish

**Timing:**

autumn term

**Learning outcomes:**

Upon completion of the course the student is able to compile a Bachelor thesis based on scientific literature and/or empirical data according to the principles of scientific writing and research. Student is able to explain and discuss own research.

According to regulations of Government Decree on University Degrees (794/2004), Section 10, the student must demonstrate that he/she has attained the objectives set for the degree, studies and thesis and the language proficiency. The student must write a maturity essay which demonstrates conversance with the topic of the thesis and skills in the use of Finnish or Swedish.

**Contents:**

The planning of the research process, carrying out of the research and evaluation. Writing of a Bachelor thesis based on scientific literature and empirical data according to scientific principles. The students make their Bachelor thesis in their major subject / field of specialization. Written maturity test.

**Mode of delivery:**

Contact teaching

**Learning activities and teaching methods:**

Supervision, seminars and group work 16h, an opponent to other student 4h, reading and retrieving of the literature 100h, writing of thesis 138h, preparation for the test and maturity test 12h.

**Target group:**

Undergraduate health science students.

**Recommended or required reading:**

Literature related to the topic of the Bachelor's thesis.

**Assessment methods and criteria:**

Independent studying, supervision taking place in small groups and seminars, writing of the Bachelor thesis, presenting/discussing the thesis and a written maturity test.

**Grading:**

Pass / Fail

**Person responsible:**

Doctoral candidate

**Working life cooperation:**

No

**ay402954A: The Social Well-being of Children and Adolescents (OPEN UNI), 4 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuyksikkö:** Open University, Oulu

**Arvostelu:** 1 - 5, pass, fail

**Opetus suunnattu:** Open University, Oulu

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**

402954A The Social Well-being of Children and Adolescents 4.0 op

**ECTS Credits:**

4 ECTS

**Language of instruction:**

Finnish

**Learning outcomes:**

- explain the construction of mental and social welfare
- design learning materials suitable for the promotion of mental welfare, working methods from the perspective of the development of the school's action culture

**Contents:**

- significance of mental welfare for functional capacity
- social connections of mental welfare
- construction of self-perception in different contexts

**Mode of delivery:**

Online studies

**Target group:**

Minor subject students from all faculties

**Prerequisites and co-requisites:**

Basic studies

**Recommended optional programme components:**

No

**Recommended or required reading:**

Literature to be agreed on during the course

**Assessment methods and criteria:**

Participation in teaching and independent written assignment

Read more about [assessment criteria](#) at the University of Oulu webpage.

**Grading:**

0-5

**Person responsible:**

Milla Merilehto

**Working life cooperation:**

No