

Opasraportti

(2012 - 2013)

Subject teacher education: Pedagogical studies

Learning outcomes

Pedagogical studies in the subject teacher education is a 1-year education programme that focuses on secondary education.

The studies are divided into basic and intermediate studies.

Basic studies: students are aware of issues related to children and youngsters development and to constantly changing nature of education and society. They are able to apply new facts, concepts, theories and techniques in teaching, studying and learning.

Intermediate studies: students are able to integrate educational theory with school practices; they are aware of various research methodologies and are able to examine knowledge and phenomena critically, analytically and contextually.

BA graduate is able to

1. collect pedagogically relevant items to personal pedagogical portfolio.
2. describe the range of the application of pedagogy/pedagogical content knowledge.
3. explicate his/her one's understanding of the subject knowledge to the pupils.
4. examine the special educational needs of pupils.
5. show ability to work in challenging educational environments.
6. adapt his/her behaviour in different educational and teaching situations.
7. use various teaching methods and to utilise learning environments.
8. take responsibility of his/her own actions and support the learners' self-efficacy.
9. judge the applicability of subject knowledge within the framework of the curriculum.
10. show empathy and tact and can select and judge his/her own actions according to the situation.

MA graduate is able to

1. construct a pedagogically relevant portfolio.
2. ponder the nature of pedagogical action and the applicability of the pedagogical theory.
3. discuss the assessment and evaluation of learning.
4. examine the special educational needs of pupils.
5. evaluate his/her own ability to work in challenging educational environments.
6. adapt his/her behavior in different educational and teaching situations.
7. use various teaching methods and to utilize learning environments.
8. take responsibility of his/her own actions and support the learners' self-efficacy.
9. collaborate in a multi-professional environment.
10. analyze and explain the theoretical knowledge about education, teaching and the subject.
11. judge the applicability of subject knowledge within the framework of the curriculum.
12. recognize creativity in the field of education and teaching.
13. show empathy and tact and can select and judge his/her own actions according to the situation.
14. explicate research in inquiry based teaching.
15. participate in planning, development and evaluation tasks in education.
16. knowledge generalization, to design and invent theoretical knowledge, and apply it to teaching.

Pedagogical studies

Code	Name	3rd year, spring	4th year, autumn
410067P	Basic course in education	4	
410068P	Didactics	4	
410069P	Educational psychology	4	
410070P	Sociology of education		4
410071P	Educational philosophy		4
410083P	Pedagogical Seminar	3	
05011xA	Subject Didactics I	3	
05021xA	Subject Didactics II	3	
05031xA	Subject Didactics III	1	
050410A	Research in Subject Didactics		8
050081A	Basic Practice	5	
050082A	Advanced Practice I		6
050083A	Advanced Practice II		6
416004A	Educational Administration		1
050085A	Special Education		1
050091A	Optional studies	3	

In the degree programme in music education, the timing of the pedagogical studies for secondary teachers differs from the other programmes. See the music education study guide for closer details.

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

050082A: Advanced teaching practice I, 6 op
 050083A: Advanced teaching practice II, 6 op
 050212A: Ainedidaktiikka II/Foreign languages and Swedish, 3 op
 050081A: Basic teaching practice, 5 op
 416004A: Basics of educational administration, 2 op
 050091A: Optional studies, 3 op
 410083P: Pedagogical seminar, 3 op
 050410A: Research in subject didactics, 8 op
 050085A: Special education, 1 op
 050113A: Subject didactics I/Biology and geography, 3 op
 050112A: Subject didactics I/Foreign languages and Swedish, 3 op
 050111A: Subject didactics I/History and social studies, 3 op
 050114A: Subject didactics I/Mathematics and natural sciences, 3 op
 050110A: Subject didactics I/Mother tongue and literature, 3 op
 050115A: Subject didactics I/Music education, 3 op
 050213A: Subject didactics II/Biology and geography, 3 op
 050211A: Subject didactics II/History and social studies, 3 op
 050214A: Subject didactics II/Mathematics and natural sciences, 3 op
 050210A: Subject didactics II/Mother tongue and literature, 3 op
 050215A: Subject didactics II/Music education, 3 op
 050313A: Subject didactics III/Biology and geography, 1 op
 050312A: Subject didactics III/Foreign languages and Swedish, 1 op
 050311A: Subject didactics III/History and social studies, 1 op
 050314A: Subject didactics III/Mathematics and natural sciences, 1 op
 050310A: Subject didactics III/Mother tongue and literature, 1 op
 050315A: Subject didactics III/Music education, 1 op

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

050082A: Advanced teaching practice I, 6 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Practical training

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

6 cr

Language of instruction:

Finnish

Timing:

4th year autumn

Learning outcomes:

The student

- takes into account the meaning of the teacher's responsibility and is capable of assuming autonomous responsibility for his/her work as a teacher
- fully understands the meaning of cooperation between home and school
- is capable of using the knowledge and skills that s/he has learnt previously and of working independently with pupils
- knows how to apply his/her what s/he knows about assessment
- knows how to plan for and carry out assessment of studies

Contents:

The following things are done in this course:

- close specification of student's goals in teaching practice
- goal-oriented planning, implementation and evaluation of lessons
- observation and analysis of teaching
- special traits of the student's own subject (curriculum of the subject and the entire curriculum)
- information and communication technology in teaching from the viewpoint of the student's subject
- familiarisation with supervision duties
- collaboration between home and school
- individual and group guidance and autonomous study

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Contact teaching 56-66 h, independent work 94-104 h

Target group:

Secondary teacher students doing their Master's studies

Prerequisites and co-requisites:

None

Recommended optional programme components:

Pedagogical Studies for Teachers, Basic Practice

Recommended or required reading:

Depends on the subject in which student is practising

Assessment methods and criteria:

Attendance in teaching and independent work.

Grading:

Pass/fail

Person responsible:

Oulu Teacher Training School

Working life cooperation:

Yes. Teaching practice.

050083A: Advanced teaching practice II, 6 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Practical training

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

6 cr

Language of instruction:

Finnish

Timing:

4th year autumn

Learning outcomes:

The student

- knows how to apply the knowledge that s/he has learnt and is capable of assuming autonomous and active responsibility for work as a teacher
- knows how to take into account the meaning of multiprofessional collaboration in working as a teacher
- fully understands the significance of pupil welfare in a teacher's work
- knows how to analyse and apply the knowledge and skills acquired in previous studies to work actively with pupils and students
- is capable of analysing the meaning of assessment in the work of a teacher and of applying this knowledge to the planning and implementation of study assessment

Contents:

The course involves the following things:

- autonomous, goal-oriented planning, implementation and evaluation of a large-scale teaching module either alone or in pairs
- assuming responsibility for all the aspects of a teacher's work
- deepening the picture of a teacher's work
- diversified and varied working methods: production of learning materials and using them in the lessons, mastery of basic skills in the use of interactive whiteboards, utilisation of software related to the teaching of the student's subject, the use of various learning environments and electronic learning materials in teaching

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Contact teaching 56-66 h, independent work 94-104 h

Target group:

Secondary teacher students doing their Master's studies

Prerequisites and co-requisites:

None

Recommended optional programme components:

Pedagogical Studies for Subject Teachers, Advanced Practice I

Recommended or required reading:

Depends on the subjects in which the student is practising.

Assessment methods and criteria:

Presence teaching and independent work

Grading:

Pass/fail

Person responsible:

Oulu Teacher Training School

Working life cooperation:

Yes. Teaching practice.

050212A: Ainedidaktiikka II/Foreign languages and Swedish, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student knows how to plan, implement and evaluate spoken and written communicative assignments.

Contents:

The following matters are discussed:

- spoken language skills, their teaching and assessment
- various spoken presentations

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures, work in small groups, independent work

Target group:

Foreign language teacher students

Prerequisites and co-requisites:

050112A Subject Didactics I/Foreign Languages and Swedish

Recommended optional programme components:

The course is part of the Pedagogical Studies for Secondary Teachers.

Recommended or required reading:

Mäkinen, K. (2002) Uskalla kokeilla! Oulu: Oulun yliopistopaino.

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

Assessment methods and criteria:

Planning and implementaion of a subject-specific process drama activity.

Grading:

Pass/fail

Person responsible:

Lecturer in Foreign Language Education

Working life cooperation:

No

050081A: Basic teaching practice, 5 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Practical training

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

5 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

- The student identifies that the operation of a school is governed by laws and other standards such as curricula.

- The student is familiarised with the teacher's job and school as a work community.
- The student internalises the wide scope of a teacher's work and working as a guide of learning.
- The student is conscious of the meaning of the curriculum as the basis of teaching in his or her subject and knows how to apply it to his or her teaching.
- The student knows how to plan, implement and evaluate teaching.
- The student applies his/her skills to encounter different learners and to keep in control of teaching situations.

Contents:

- observation and analysis of teaching
- awareness of pupil needs and observation of the working atmosphere
- school laws and the core curriculum
- familiarisation with the teaching plans of the Teacher Training School and the student's own subject
- familiarisation with the practice plan and assessment criteria
- setting personal goals for teaching practice
- planning, implementation and evaluation of teaching
- teaching methods and materials
- development of skills of interaction
- special characteristics of the student's own subject
- individual and group supervision
- educational use of ICT

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Contact teaching 70-75 h, independent work 59-64 h

Target group:

Pedagogical Studies for Secondary Teachers

Prerequisites and co-requisites:

No

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

Depends on subject in which the student is practising

Assessment methods and criteria:

Presence teaching, independent work

Grading:

Pass/fail

Person responsible:

Oulu Teacher Training School

Working life cooperation:

Yes

416004A: Basics of educational administration, 2 op

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 ECT

Language of instruction:

Finnish

Timing:

4.-5. year

Learning outcomes:

Upon completion of the study module, the students

- know the laws and statutes governing educational administration as well as their contents
- know how to apply educational administration legislation into practice at their own level of education
- know how to use the Finlex software

Contents:

The course aims to give the students the necessary legal proficiency for work as a public servant or in school administration. In addition, the students will gain an understanding of their own rights and obligations and learn how to recognize situations when further information and/or help is necessary. During the course, the students will be introduced with the administration system and public services in terms of set duties and opportunities as defined in legal regulations and norms.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures and exam 16 h, post-exam small group work and practice assignment 4 h.

Target group:

Students pursuing Pedagogical Studies

Prerequisites and co-requisites:

No

Recommended optional programme components:

Pedagogical studies for teachers

Recommended or required reading:

TBC at the beginning of the course

Assessment methods and criteria:

Exam, assignment

Grading:

pass/fail

Person responsible:

N.N.

Working life cooperation:

No

050091A: Optional studies, 3 op

Voimassaolo: 01.08.2005 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3. opintovuosi, kevätlukukausi

Learning outcomes:

Having completed the course, the student is able to describe the main contents of the course selected by him/her and apply it in his/her work as a teacher.

Contents:

Permanent and annually alternating courses that support the general goals of the pedagogical studies for teachers, offered by the Teacher Training School, Education and Subject Didactics. The aim is to arrange courses on the following fields, among others: ICT, ethics, problem-based orientation in teaching and as part of the professional identity, civics and active citizenship, environmental responsibility, multi- and interculturalism, encountering dissimilarity, multiprofessional collaboration, functional mathematics etc.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures, other contact teaching and independent work totalling 27-80 h

Target group:

Secondary teacher students

Prerequisites and co-requisites:

No

Recommended optional programme components:

Course is part of the Pedagogical Studies for Secondary Teachers

Recommended or required reading:

Varies depending on the student's choice.

Assessment methods and criteria:

To be agreed on at the start of the course.

Grading:

Pass/fail

Person responsible:

Eetu Pikkarainen

Working life cooperation:

No

410083P: Pedagogical seminar, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Basic Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

Voidaan suorittaa useasti: Kyllä

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- constructs a relationship between general education studies and other contents of pedagogical studies and experiences gained in teaching practice (relationship between theory and practice)
- knows how to carry on a pedagogical discussion with the representatives of different subjects and other parties, reflecting on his or her own pedagogical theory-in-use and justifying his/her pedagogical activities
- knows how to encounter different pupils, identify the need for general, enhanced and special support and utilise in his/her work skills of pupil welfare work based on the main principles of inclusive education and the multiprofessional network as an educational and pedagogical resource
- knows the principles of pupil welfare work and the pupil welfare group and is able to make use of them to compose an individual education plan (IEP), for instance

Contents:

- orientation to educational science and its various areas and their meaning as part of a secondary teacher's professional competence
- educational thinking and pedagogical theory-in-use as part of a secondary teacher's professional competence
- orientation to issues related to facing dissimilarity at school as part of a secondary teacher's professional competence

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 8 h, small group sessions 20 h, independent work 22 h

Target group:

Secondary teacher students doing their Bachelor studies

Prerequisites and co-requisites:

None

Recommended optional programme components:

410067P Basic Course in Education

410069P Educational Psychology

410068P Didactics, Subject Didactics I

050081A Basic Practice

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Active participation in teaching and practical assignments, written seminar paper

Grading:

Pass/fail

Person responsible:

Marko Kielinen and Markku Salakka

Working life cooperation:

None

050410A: Research in subject didactics, 8 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

8 cr

Language of instruction:

Finnish

Timing:

4th year, autumn term

Learning outcomes:

The student knows

- how to describe the basis of pedagogical research and explain the basics of qualitative and quantitative research
- how to make use of didactic research in his/her own subject and how to compose a thesis on subject didactics
- how to choose a relevant research method for his/her study and how to analyse the research data
- how to evaluate the significance of research in subject didactics for the teaching of his/her own subject and how to construct the thinking of an inquiring teacher

Contents:

Planning, implementing and publishing a study on subject didactics. The study can be

- a teaching experiment
- a curriculum study
- a study on content knowledge in a subject
- a study of learning materials
- a study of learning environments and the instructional use of new technologies
- a study on attitudes
- a study on the leisure activities connected with a subject
- a study of assessment methods used in a subject

The study can focus on primary, secondary or tertiary education. It may also be focused on the third sector.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

- Lectures 6 h
- Methodological exercises 6 h
- Guidance 2 h
- Seminar work 36 h, including the presentation of the student's own study and acting as opponent to a peer's study
- Independent work 166 h, including the writing of a seminar thesis, preparation for opposing a peer's study, and familiarisation with other theses

Target group:

Secondary teacher students

Prerequisites and co-requisites:

Subject Didactics I, Subject Didactics II, Subject Didactics III

Recommended optional programme components:

Course is part of the Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on as the course proceeds.

Assessment methods and criteria:

Participation in contact teaching, writing and opposing a seminar thesis

Grading:

Pass/fail

Person responsible:

Jouni Peltonen, lecturers in subject didactics

Working life cooperation:

No

050085A: Special education, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 cr

Language of instruction:

Finnish

Timing:

4th year, autumn

Learning outcomes:

- The student is acquainted with the individual education plan (IEP)
- The student makes plans for a pupil's personal evaluation and teaching according to the pupil's learning abilities
- The student is familiarised with literature on special education and facing the pupil.

Contents:

- Ideologies, values and principles guiding special education
- General, special and reinforced support - care, teaching and rehabilitation
- Cooperation, multiprofessionalism and educational partnership
- Familiarisation with the field, target groups and practices of special education
- Responding to the need for special support through pedagogical means
- Pupil welfare work in schools

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 10 h, visit and independent work

Target group:

Secondary teacher students doing their Master's studies

Prerequisites and co-requisites:

None

Recommended optional programme components:

Pedagogical Studies for Subject Teachers

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Participation in face-to-face teaching, visit and report, familiarisation with literature

Grading:

Pass/fail

Person responsible:

Marko Kielinen

Working life cooperation:

None

050113A: Subject didactics I/Biology and geography, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd academic year, spring term

Learning outcomes:

The student

- knows how to describe the status and meaning of biology and geography education in society.
- knows how to explicate the character of biological and geographical information and action in teaching and learning processes.
- shows knowledge and skills needed in the planning and management of holistic studying and learning processes.

Contents:

- development of biology and geography in Finland and abroad
- biology and geography education as a part of education and schooling
- role and tasks of the biology and geography teacher

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and group work 16 h, distance work 64 h

Target group:

Biology and geography student teachers

Prerequisites and co-requisites:

No

Recommended optional programme components:

Subject Didactics II, Subject Didactics III, Natural Sciences

Recommended or required reading:

To be agreed on with the teacher in charge during the course.

Assessment methods and criteria:

Active participation in the lectures, learning diary

Grading:

Pass/fail

Person responsible:

Lecturer in biology and geography education

Working life cooperation:

No

050112A: Subject didactics I/Foreign languages and Swedish, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- knows how to apply and evaluate the guidance of the learning process of groups and individuals.
- knows how to choose and use various foreign language teaching methods based on the set goals.
- understands that as a language teacher s/he is also functioning as an educator for multiculturalism and intercultural communication.

Contents:

The following issues are discussed:

- multiculturalism
- intercultural communication
- learning strategies as foreign language learning aids

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures, work in small groups, independent work

Target group:

Foreign language and Swedish teacher students

Prerequisites and co-requisites:

No

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Presentation composed in a small group specific to the subject.

Grading:

Pass/fail

Person responsible:

Lecturer in Foreign Language Education

Working life cooperation:

No

050111A: Subject didactics I/History and social studies, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- masters the basic competences to give lessons in history.
- understands what subject didactics in history means and why history and social studies are taught.
- knows how to plan and implement history and social studies teaching using a variety of working methods and teaching aids.
- knows how to apply several information seeking methods in the planning of teaching

Contents:

Special characteristics of history and social studies from the viewpoint of school, society and the curriculum and basic teaching competence.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and exercises 16 h, distance work 64 h

Target group:

History teacher students

Prerequisites and co-requisites:

No

Recommended optional programme components:

Pedagogical studies for secondary teachers

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Active participation in the lectures and timely completion of the assignments given.

Grading:

Pass/fail

Person responsible:

Reijo Heikkinen

Working life cooperation:

No

050114A: Subject didactics I/Mathematics and natural sciences, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student:

- knows how to describe different approaches and teaching methods in mathematics education.
- knows how to use some mathematics learning aids and justify the use of learning aids in mathematics education.
- knows how to describe assessment of teaching and learning in mathematics and science.
- knows how to identify and analyse learning difficulties.
- knows how to evaluate preconceptions and their meaning in physics and chemistry teaching.

Contents:

- Nature of mathematics and science knowledge and its significance in the teaching and learning of the subjects
- Different approaches to and teaching methods in mathematics and science education
- Learning aids and difficulties in mathematics
- Assessment in mathematics and science education
- Meaning of preconceptions in physics and chemistry education
- Current themes in cooperation with the Oulu LUMA (Science and Mathematics) Centre

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 4 h, exercises 30 h (student chooses two exercise groups from among mathematics, physics and chemistry based on his or her preferences). Independent work 46 h.

Target group:

Secondary teacher students doing Bachelor studies

Prerequisites and co-requisites:

No

Recommended optional programme components:

Subject Didactics II, Subject Didactics III, Mathematical Subjects

Recommended or required reading:

Agreement on learning materials is made at the start of the course

Assessment methods and criteria:

Participation in exercise groups, group examination

Grading:

Pass/fail

Person responsible:

Vesa-Matti Sarenius, Emilia Manninen and Kaisa Hautala

Working life cooperation:

No

050110A: Subject didactics I/Mother tongue and literature, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- knows how to describe the characteristic nature of the didactics of mother tongue and literature and is capable of evaluating the national core curriculum for mother tongue and literature.
- knows how to use youth culture as a frame of reference for mother tongue and literature teaching.
- is also familiar with theories connected with mother tongue and literature teaching and knows how to apply them to teaching in this subject.

Contents:

- special nature of mother tongue and literature didactics
- national core curricula
- youth culture
- issues related to the teaching and learning of mother tongue and literature contents

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 14 h, exercises 20 h, independent work 46 h

Target group:

Mother tongue and literature teacher students

Prerequisites and co-requisites:

No

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Participation in contact teaching and an independent written work

Grading:

Pass/fail

Person responsible:

Minna Sääskilähti

Working life cooperation:

No

050115A: Subject didactics I/Music education, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 credits

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

Having completed the course, the student knows how to apply a variety of working methods and learning environments in music education to the contents and learning materials of the basic education curriculum, and how to evaluate the progress of the learning processes.

Contents:

- Themes: special education, youth culture, multiculturalism and developmental psychology
- The course does not contain a teaching practice period; it focuses on developing the students' abilities as music educators
- Linked to Pedagogical Seminar

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 20 h, specialization assignment given at the beginning of the course 60 h.

Target group:

Music education students

Prerequisites and co-requisites:

None

Recommended optional programme components:

The course is part of the Pedagogical Studies for Secondary Teachers

Recommended or required reading:

Recent teaching material in music and the national core curriculum.

Assessment methods and criteria:

Participation on lectures and accomplishing assignments

Grading:

Pass/fail

Person responsible:

Kari Kuivamäki

Working life cooperation:

None

050213A: Subject didactics II/Biology and geography, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student knows how to

- develop student-centred teaching and learning processes
- compare worldviews and their relation to biology and geography education
- analyse his/her own professional growth as a biology/geography teacher and to evaluate his/her readiness to support the studying and learning processes of learners and groups.

Contents:

- student as a learner and support of learning
- worldviews and biology/geography education
- professional growth as a biology/geography teacher

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and group work 16 h, distance work 64 h

Target group:

Biology and geography student teachers

Prerequisites and co-requisites:

050113A Subject Didactics I/Biology and geography

Recommended optional programme components:

Subject Studies in Biology and Geography, SD I, SD III

Recommended or required reading:

Eloranta, V., Jeronen, E. & Palmberg, I. (toim.) (2005) *Biologia eläväksi*. Biologian didaktiikka. PS-kustannus.
 Cantell, H., Rikkinen, H. & Tani, S. (2007) *Maailma minussa – minä maailmassa*. Maantieteen opettajan käsikirja. *Studia Paedagogica* 33. Helsingin yliopisto, Soveltavan kasvatustieteen laitos.

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

Assessment methods and criteria:

Active participation in the lectures, learning diary, exam.

Grading:

0 - 5

Person responsible:

Lecturer in Biology and Geography Education

Working life cooperation:

No

050211A: Subject didactics II/History and social studies, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student knows how to

- help the learner achieve history and social studies skills on a deeper level.
- apply both traditional and digital sources in his/her teaching.
- plan and implement teaching modules and compose digital learning materials to support them.

Contents:

Skills in history and social studies and production of learning materials

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and exercises 22 h, distance work 58 h

Target group:

History teacher students

Prerequisites and co-requisites:

050111A Subject didactics I/History and Social Studies

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course

Assessment methods and criteria:

Lectures and exercises 22 h, distance work 58 h

Grading:

Pass/fail

Person responsible:

Reijo Heikkinen

Working life cooperation:

No

050214A: Subject didactics II/Mathematics and natural sciences, 3 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- knows how to apply the content knowledge of subject didactics and specific to the subject needed in the teaching of mathematics and science contents in primary and secondary education.
- knows how to evaluate differentiation and integration of teaching and how to introduce various differentiation and integration methods.
- knows how to analyse stages of transition from one school level to another especially from the viewpoint of mathematics and science.
- knows how to choose and justify the use of various teaching methods in mathematics and science education.

Contents:

- Differentiation and integration in mathematics and science education
- Transition from one school level to another from the viewpoint of mathematics and science
- Examples of teaching and learning contents in mathematics and science

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 4 h, exercises 30 h (student selects two exercise groups from among mathematics, physics and chemistry based on his/her preferences). Independent work 46 h.

Target group:

Secondary teacher students doing Bachelor studies

Prerequisites and co-requisites:

050114A Subject Didactics I/Mathematics and Science

Recommended optional programme components:

Subject Didactics I, Subject Didactics III, Mathematical Subjects

Recommended or required reading:

Agreement on learning materials is made at the start of the course.

Assessment methods and criteria:

Participation in exercise groups, group exam

Grading:

Pass/fail

Person responsible:

Vesa-Matti Sarenius, Emilia Manninen and Kaisa Hautala

Working life cooperation:

No

050210A: Subject didactics II/Mother tongue and literature, 3 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

3 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- knows how to apply the knowledge of the subject and of the subject didactics needed in teaching mother tongue and literature on the various school levels.
- is familiar with the quality criteria for online learning materials and is capable of evaluating online learning materials for mother tongue and literature teaching.
- also develops his/her capacity to assess the learning of pupils.

Contents:

Issues related to teaching and learning the contents of mother tongue and literature

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 14 h, exercises 20 h and independent work 46 h

Target group:

Mother tongue and literature teacher students

Prerequisites and co-requisites:

050110A Subject Didactics I/Mother Tongue and Literature

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course.

Assessment methods and criteria:

Participation in contact teaching and an independently written essay

Grading:

Pass/fail

Person responsible:

Minna Sääskilähti

Working life cooperation:

No

050215A: Subject didactics II/Music education, 3 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish

ECTS Credits:

3 credits

Language of instruction:

Finnish

Timing:

4rd year, autumn term

Learning outcomes:

The student is able to perceive the music teacher's activities as an artistic and cultural actor in school communities, and knows how to plan events involving various target groups making use of the working methods and learning environments in music education.

Contents:

National and municipal curricula at the primary level.

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Luennot 20 h, kurssin aikana erikseen sovittava itsenäinen tehtävä 60 h

Target group:

Music education students

Prerequisites and co-requisites:

050115A Subject Didactics I/Music Education

Recommended optional programme components:

Advanced Practice I

Recommended or required reading:

Recent teaching materials in music education, core curriculum

Assessment methods and criteria:

Participation on lectures and accomplishing assignments

Grading:

Pass/fail

Person responsible:

Kari Kuivamäki

Working life cooperation:

None

050313A: Subject didactics III/Biology and geography, 1 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

1 cr

Language of instruction:

Finnish

Timing:

3rd academic year, spring term

Learning outcomes:

The student knows how to

- consider the meaning of various learning conceptions in biology and geography education.
- plan and evaluate teaching and learning processes and products.
- plan period and lesson plans based on national and local curricula.
- choose and use various teaching and working methods and learning environments, equipment and materials.

Contents:

- Learning conceptions in biology and geography education
- Biology and geography curricula and implementing them in lower and upper secondary school

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and group work 10 h, distance work 17 h

Target group:

Biology and geography student teachers

Prerequisites and co-requisites:

Subject Didactics I and II/Biology and Geography

Recommended optional programme components:

Study modules in Biology and Geography

Recommended or required reading:

Learning materials to be agreed on with the teacher in charge during the course.

Assessment methods and criteria:

Active participation in the lectures, learning diary.

Grading:

Pass/fail

Person responsible:

Lecturer in Biology and Geography Education, biology and geography teachers in the Teacher Training School

Working life cooperation:

No

050312A: Subject didactics III/Foreign languages and Swedish, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- knows how to describe the special nature of the didactics of language teaching.
- is familiar with the national language curricula and pan-European skill levels as well as the basis for the assessment of learning.
- knows how to make use of the culture of different linguistic areas and various means of communication as the frame of reference of teaching.

Contents:

- Practices of language teaching
- National language curricula, pan-European skill levels and assessment
- Culture and communication in language teaching
- Use of educational technology

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 10 h, independent work 17 h

Target group:

Foreign language and Swedish teacher students

Prerequisites and co-requisites:

Subject Didactics I and II/Foreign Languages and Second National Language

Recommended optional programme components:

Studies in foreign languages and the second national language, other pedagogical studies for secondary teachers

Recommended or required reading:

To be agreed on at the start of the course

Assessment methods and criteria:

Participation in contact teaching and an independent written work

Grading:

Pass/fail

Person responsible:

Heli Heino, Virpi Sivonen-Sankala

Working life cooperation:

No

050311A: Subject didactics III/History and social studies, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student

- understands the significance of local history for the learner's growth and historical thinking.
- knows how to apply local history as part of teaching in accordance with the curriculum.
- knows how to plan and implement teaching visits.
- knows how to compose and mark tests.

Contents:

Teaching and evaluation of local history as a means to fulfil the curriculum.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures and exercises 10 h, distance work 17 h

Target group:

History teacher students

Prerequisites and co-requisites:

Subject Didactics I and II/History and Social Studies

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course

Assessment methods and criteria:

Active participation in the lectures and timely completion of given assignments.

Grading:

Pass/fail

Person responsible:

Reijo Heikkinen, Jari Honkanen

Working life cooperation:

No

050314A: Subject didactics III/Mathematics and natural sciences, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 cr

Language of instruction:

Finnish

Timing:3rd year, spring term**Learning outcomes:**

The student

- is able to plan mathematics and science teaching and assess learning based on the curriculum
- knows how to explicate various working methods and learning materials used in the teaching of mathematics and science
- knows how to use information and communication technology in the teaching of mathematics and science

Contents:

- construction of various lesson plans based on the curricula
- formulation and assessment of tests
- familiarisation with learning materials and working methods
- educational use of ICT

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures and exercises 10 h, independent work 17 h

Target group:

Secondary teacher students doing Bachelor studies

Prerequisites and co-requisites:

Subject Didactics I and II/Mathematics and Science

Recommended optional programme components:

Subject Didactics I, Subject Didactics II, Mathematical Subjects

Recommended or required reading:

Learning materials to be agreed on at the start of the course

Assessment methods and criteria:

Exercises

Grading:

Pass/fail

Person responsible:

Vesa-Matti Sarenius, Emilia Manninen, Kaisa Hautala, Pekka Vaaraniemi and Katja Leinonen

Working life cooperation:

No

050310A: Subject didactics III/Mother tongue and literature, 1 op**Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Intermediate Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

1 cr

Language of instruction:

Finnish

Timing:

3rd year, spring term

Learning outcomes:

The student knows how to

- compose a lesson plan
- take into account the structure of a lesson in his/her plans: means of motivation and different working methods at the start of a lesson
- use different teaching methods
- ask questions

- apply illustrative means in teaching
- use didactic methods in literature teaching
- apply the basic principles of composing and assessing tests
- make corrections to essays
- apply the basic principle of assessing essays

Contents:

- composing a lesson plan
- teaching methods
- question asking techniques
- literature teaching
- composing and assessing tests
- correction and assessment of essays

Mode of delivery:

Face-to-face teaching

Learning activities and teaching methods:

Lectures 12 h, independent work 15 h

Target group:

Mother tongue and literature teacher students

Prerequisites and co-requisites:

Subject Didactics I and II/Mother Tongue and Literature

Recommended optional programme components:

Pedagogical Studies for Secondary Teachers

Recommended or required reading:

To be agreed on at the start of the course

Assessment methods and criteria:

Participation in contact teaching and independent tasks

Grading:

Pass/fail

Person responsible:

Harri Lehtola

Working life cooperation:

No

050315A: Subject didactics III/Music education, 1 op

Voimassaolo: 01.08.2011 -

Opiskelumuoto: Intermediate Studies

Laji: Course

Vastuuyksikkö: Faculty of Education

Arvostelu: 1 - 5, pass, fail

Opintokohteen kielet: Finnish

ECTS Credits:

1 credit

Language of instruction:

Finnish

Timing:

4rd year, spring term

Learning outcomes:

Having completed the course, the student know how to

- use and apply the essential contents and working methods in accordance with the objectives of the national core curriculum and municipal curricula in practical teaching activities
- discuss the significance of assessment as part of the curriculum
- develop the possibilities of music as part of cross-curricular themes and integrative art education

Contents:

The student is familiarised in different ways with the music education contents and uses in primary level school grades as well as with learning materials, and s/he prepares for Basic Practise.

Mode of delivery:

Blended teaching

Learning activities and teaching methods:

Lectures 13 h, independent assignment 14 h

Target group:

Music education students

Prerequisites and co-requisites:

None

Recommended optional programme components:

050081A Basic Practise, 410083P Pedagogical seminar

Recommended or required reading:

Recent articles on music education and online materials (e.g. Oulu Teacher Training School curriculum, National Board of Education core curriculum), various publisher's music schoolbooks and their supplementary materials.

Assessment methods and criteria:

Applied work on an individual basis.

Grading:

Pass/fail

Person responsible:

Marja Ervasti

Working life cooperation:

None