Opasraportti

KTK - Technologically Oriented Primary Teacher Education Programme 06-08 (2006 - 2008)

Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot

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<td>406022A</td>
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<td>410014Y</td>
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406020A-02: Language and Writing, 4 op
410069P-01: Lecture in educational psychology, 2 op
406031A-03: Listening Education, 1 op
406020A-01: Literature and Reading, 3 op
410069P-02: Literature in educational psychology, 2 op
408013S: Master's Thesis, 35 - 40 op
406033A-01: Materials, Sewing and Clothing Technology, 3 op
406025A: Mathematics Education: Part I, 3 op
406026A: Mathematics Education: part II, 2 op
408013S-01: Maturity Test, 30 op
407030A-01: Maturity Test, 0 op
406020A: Mother Tongue and Literature, 7 op
A256402: Multidisciplinary Studies in the Subjects and Cross-Curricular Themes Taught in Basic Education, 65 op
410017Y: Multimedia as a learning project, 2 op
406031A: Music, 8 op
406031A-04: Music Theory in Practice, 1 op
408014S: Optional Course, 5 op
406037A: Optional Studies in Art and Practical Education, 2 - 6 op
408025S: Optional Studies: Basics of Educational Administration, 1 op
410075P: Orientation to Work at School, 2 op
405023Y: Orientation to studies, 1 op
406031A-01: Pedagogical Applications of Music Education, 3 op
410076P: Pedagogical Seminar in Technology Education I, 3 op
407034A: Pedagogical Seminar in Technology Education II, 3 op
408023S: Pedagogical Seminar in Technology Education III, 3 op
406033A-03: Pedagogical and Didactic Questions, 2 op
407029A-01: Pedagogy of Preschool and Primary Education, 1,5 op
406035A: Physical Education, 7 op
406027A: Physics and Chemistry, 4 op
405024Y-02: Practical Exercises, 3 op
406023A: Religion, 2 op
411006A: Research course I, 10 op

Alternative
411006A-01: a) 1. Basic course in quantitative research, lecture, 2 op
411006A-02: a) 2. Statistical analysis, lecture, 2 op
411006A-03: a) 3. Exercises, 1 op
411006A-04: b) 1. Basic course in qualitative research, lecture, 3 op
411006A-05: b) 2. Basic course in qualitative research, exercises, 2 op
413005S: Research course II, 10 op
407032A: School Experience II: Bachelor's Level, 6 op
408020S: School Work in the Master Phase, 11 op
407033A: Science Culture and Technology, 2 op
410013Y: Scientific communication, 2 op
407026A: Special Education, 3 op
410016Y: Speech communication and drama, 2 op
411006A-09: Statistical analyses, lecture + exercises (compensatory literature), 3 op
407024A: Teacher as a Pedagogical Thinker and Agent, 3 op
407029A-02: Teaching to read and write, 1,5 op
408021S: Theme-based Practice, 6 op
405024Y-01: Theoretical Part, 1 op
408013S-02: Thesis, 5 op
406034A-01: Traditional Handicrafts in the Context of Technical Work, 3 op
406033A-02: User-Centred Design and Manufacture as an Approach to Crafts nad Technology Problems, 2 op
406031A-02: Voice and Singing, 1 op
413005S-01: a) 1. Advanced course in quantitative research, lecture, 3 op
413005S-02: a) 2. Advanced course in quantitative research, exercises, 2 op
413005S-05: a) Advanced Course in Quantitative Research Methods, 5 op
411006A-06: a)2. Statistical analysis, lecture + exercises, 3 op
413005S-03: b) 1. Advanced course in qualitative research, lecture, 2 op
413005S-04: b) 2. Advanced course in qualitative research, exercises, 3 op
413005S-06: b) Advanced Course in Qualitative Research Methods, 5 op
Opintojaksojen kuvaukset

Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

411006A-07: Basic course in qualitative research, lecture + exercises (compensatory literature), 5 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406035A-01: 1st Year Practical Exercises, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406035A-03: 2nd Year Practical Exercises, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406031A-05: Accompaniment Instrument, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
408022S: Application of Research Methods to Technology Education Research, 4 op

Voimassaolo: 01.08.2006 -  
Opiskelumuoto: Advanced Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish  
Voidaan suorittaa useasti: Kyllä

406034A-03: Applications of Electronics, 2 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

406034A-02: Applications of mechatronics, 2 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

406032A: Art, 7 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen oppimateriaali:  
Hakkola, Kirsti , , 1991  
Kaitavuori, Kaja , , 2004  
Karppinen, Seija (1) , , 2001  
Koskenala, Hanna-Leena & Sabelström-Leppänen, Raija, , 2004  
Ojala, Anita , , 2004  
Ojala, Anita , , 1999  
Opetushallitus, , 2004
ECTS Credits:
5 - 6 credits

Language of instruction:
English

Timing:
.

Learning outcomes:
During this course, students' visual thinking will be enhanced using methods of visual expression, colour theory, composition and a range of techniques and materials, including drawing, painting, design and school graphics. The emphasis will be on experiences and emotions as well as on such skills relating to work, information retrieval, interpretation and evaluation as are part and parcel of visual arts. Course contents focus on examining and reflecting on didactic and pedagogical applications of visual art teaching and curriculum development.

Contents:

Visual Art Education
- Children's drawings and artistic development
- Visual arts in learning and teaching
- Core visual arts curriculum
- Thematic entities and assessment

Visual Cultures
- Knowledge of visual arts
- Artistic experiences and conceptions of art
- Artistic images and commercial images
- Cultural institutions and pedagogy

Media and Visual Communication
- Analysis and interpretation of images
- Advertising images, photographic images and film

Environment Education
- Perceptual and experiential environment
- Cultural and natural environment
- Architecture and design

Learning activities and teaching methods:
Lectures and work in small groups 84 h; independent work 78 h

Target group:
.

Recommended optional programme components:
.

Recommended or required reading:

Supplementary reading
The availability of the literature can be checked in this link.

**Literature (in English):** introduced by the lecturers at the beginning of the course.

**Assessment methods and criteria:**
Exercises and portfolio

**Grading:**
Exercises and portfolio (0 – 5)

**Person responsible:**
Minna Myllykangas ja Tapio Tenhu

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**406032A-01: Art, First year, 1 op**

**Voimassaolo:** 01.08.2005 - 

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuysikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

Ei opintojaksokuvauksia.

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**406032A-02: Art, Second year, 1 op**

**Voimassaolo:** 01.08.2005 - 

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit

**Vastuuysikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

Ei opintojaksokuvauksia.

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**407030A: Bachelor's Thesis, 9 op**

**Voimassaolo:** 01.08.2005 - 31.07.2015

**Opiskelumuoto:** Intermediate Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**Leikkaavuudet:**
442164A  Bachelor's thesis  10.0 op

Ei opintojaksokuvauksia.

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**407030A-02: Bachelor's Thesis, 9 op**

**Voimassaolo:** 01.08.2005 - 31.07.2015

**Opiskelumuoto:** Intermediate Studies

**Laji:** Partial credit
410067P: Basic course in education, 4 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Rinne, Risto (1) , , 2004, pakollinen
Lisätiedot:
Rinne, Risto , , 2000, pakollinen
Lisätiedot:
Siljander, Pauli , , 2002, pakollinen
Lisätiedot:
Opintokohteen kielet: Finnish
Leikkaavuudet:
| ay410067P | Basic course in education (OPEN UNI) | 4.0 op |

Ei opintojaksokuvauksia.

411006A-11: Basic course in qualitative research, 5 op

Voimassaolo: 01.08.2006 - 31.07.2012
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-10: Basic course in quantitative research, 5 op

Voimassaolo: 01.08.2006 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-08: Basic course in quantitative research, lecture (compensatory literature), 2 op

Opiskelumuoto: Intermediate Studies
406036A: Basics of Art and Practical Education, 2 op

**ECTS Credits:**
2 credits

**Language of instruction:**
English

**Timing:**
.

**Learning outcomes:**
.

**Contents:**
Students become acquainted with the basic philosophical and pedagogical principles and applications of art and practical education. This course combines practical skills with an art philosophical discussion, which takes the form of expert lectures organized in collaboration with the Youth and Culture Centre of Oulu. Practical activities are conducted in workshops by integrating art and practical education with other subjects and courses in the basic educational curriculum. The magic lamp method, developed in film education, is used as a tool of integration. Students also become familiar with basic animation techniques.

**Learning activities and teaching methods:**
Small groups 14 h

**Target group:**
.

**Recommended optional programme components:**
.

**Recommended or required reading:**
Literature (in English) introduced by the lecturers at the beginning of the course.

**Assessment methods and criteria:**
.

**Grading:**
Pass/fail

**Person responsible:**
Minna Myllykangas and Pia Leppänen

408019S: Basics of educational administration, 2 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.
406028A: Biology, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Ahtee, Maija , , 1994
Eloranta, Varpu, Jeronen, Eila & Palmberg, Irmeli (toim.), , 2005
Harlen, Wynne , , 1996
Opetushallitus, , 2004
Virtanen, Lyyli , , 1989
Wellington, Jerry , , 2000
Opintokohteen kielet: Finnish

ECTS Credits:
2 credits

Language of instruction:
English

Timing:
2. academic year, spring term

Learning outcomes:
Biology is a part of natural science subjects. The goal of teaching and learning of the subjects is that the learners comprehend their responsibility of nature, constructed environments, themselves and other people. Students gather and construct information during the courses and develop skills for planning and implementing of teaching situations and environments so that the scientific thinking of a pupil and its development is possible from individual, interactive and collaborative perspectives.

During the course of biology, students examine organic and inorganic nature, human beings as a part of nature, and study the relations between them.

The course aims that students:
- Contemplate teaching-learning -views from the viewpoint of biology, and environmental and natural science teaching
- Get acquainted with planning, implementing and evaluation of biology, and environmental and natural science teaching
- Reflect their growth and development from the viewpoint of integrative health education and as a teacher of biology, and environmental and natural science studies.

Contents:

Content:
1. Introduction
   • Overview of the aims, contents and methods of completion of the course
   • The curriculum of biology
2. Biological base of life
   • Energy flow
   • Material cycle
   • Photo- and chemosynthesis
3. Plant morphology and physiology
   • Cells
   • Water and Nutrient Transport
   • Plant growth and reproduction
4. Animal anatomy and physiology
   • Cells
   • Tissues
   • Organs
5. Structure and function of the body and their examination
   • Structure of the body
   • Operation and regulation of organs, systems and organ systems
6. Genetics
7. Organisms and their environment
8. Biodiversity
   - Biomes and ecosystems
   - Phenology
   - Pollution

9. Health Education

**Learning activities and teaching methods:**

*Method of teaching:* 16 hours of contact teaching per subject. Different methods of sensitivity, science and value education are used during the courses.

*Method of completing:* Active participation in the contact teaching and a final exam. The exam can be replaced with some alternative method of completion agreed separately with the teacher responsible for the course.

**Target group:**

**Recommended optional programme components:**

**Recommended or required reading:**

The availability of the literature can be checked in [this link](http://www.oph.fi).

1. Peruskoulun opetussuunnitelman perusteet (biologian osalta) www.oph.fi
   AND
   OR:
   OR:
   OR:

**Assessment methods and criteria:**

**Grading:**

0-5

**Person responsible:**

Eila Jeronen

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**408016S: Context and Collaborative Relations in Education and Teaching, 5 op**


*Opiskelumuoto:* Advanced Studies

*Laji:* Course

*Vastuuysikkö:* Faculty of Education

*Arvostelu:* 1 - 5, pass, fail

*Opintokohteen oppimateriaali:*

Day, Christopher & Sachs, Judyth (eds.), 2004
Elbaz-Luwisch, Freema, 2005
Sugrue, Ciara & Day, Christopher (eds.), 2002
Vandenberghe, Roland & Huberman, A. Michael (eds), 1999

*Opintokohteen kielet:* Finnish

Ei opintojaksokuvauksia.

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**410019Y: Contrastive reading and writing, 2 op**


*Opiskelumuoto:* Language and Communication Studies

*Laji:* Course

*Vastuuysikkö:* Faculty of Education

*Arvostelu:* 1 - 5, pass, fail

*Opintokohteen kielet:* Finnish
406034A: Crafts/Technical Work and Technology, 7 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen oppimateriaali:  
Aadeli, Sirkka et al. (toim.), 2004  
Bendix, Friedrich, 1974  
Gibilisco, Stan, 2006  
Grönman, Olavi et al. (toim.), 1989  
Häti-Korkeila, Marjatta, 1985  
Kemppainen, Taisto (toim.), 1978  
Lavonen, Jari et al. (toim.), 1995  
Lavonen, Jari et al. (toim.), 1997  
Lindh, Matti, 1985  
Lindh, Matti, 1990  
Lindh, Matti (toim. & piirt.), 1988  
Norman, Eddie et al. (eds.), 1995  
Norman, Eddie et al. (eds.), 2000  
Ojala, Erkki & Räsänen, Jaakko (toim.), 1990  
Saari, Jorma, 1982  
Sahi, Timo et al. (toim.), 2002  
Scherz, Paul, 2007  
Opintokohteen kielet: Finnish  
Voidaan suorittaa useasti: Kyllä  

ECTS Credits:  
5 - 6 credits  
Language of instruction:  
English  
Timing:  
  
Learning outcomes:  
Core curriculum in technical work encompasses knowledge and skills required to teach technical work in primary school.  
These studies comprise three courses:  
1. Traditional Handicraft in the Context of Technical Work (2 pts./1 cr.)  
2. Mechatronic Applications 2 pts./1 cr.)  
3. Electronics Applications (2 pts./1,5 cr.)  
Emphasis on the first of these courses is on traditional handicraft. Through lectures and exercises, students familiarize themselves with common materials used in technical work and learn how to machine them. Work begins with individual design, written documentation is used during design and implementation, and products are directed toward application at the primary school level. The second course focuses on the application of basic mechatronic principles to technical work at the primary school level. Adopting a didactic approach, the course combines mechanical and electrical elements into technological constructs that can be brought under critical pedagogical scrutiny. The main goal of the third course is to lead students toward an understanding of the fundamental principles of electrical engineering and electronics through individual design, experimentation and construction. Students’ didactic competence is developed with the primary school pupil in mind.  
Contents:  

1. Traditional Handicraft in the Context of Technical Work (2 pts./1 cr.)  
   - Students become familiar with common materials and their machine-tooling through lectures and exercises  
   - Starting point for work is individual design
• Using writing as a tool, design and implementation of work is directed toward application to technical work in primary schools
• Course is offered in the autumn term of the first year

2. Mechatronic Applications (2 pts./1 cr.)
• Students learn to apply basic mechatronic principles to primary level technical work
• Didactic starting point
• Mechanical and electronic elements are combined into technological constructs that are assessed and analyzed in written reports
• Course is offered in the spring term of the first year

3. Electronics Applications (2 pts./1.5 cr.)
• Students are guided toward an understanding of the fundamental principles of electrical engineering and electronics through individual design, experimentation and construction
• Emphasis on developing didactic competence
• Course is offered in the autumn term of the second year

Learning activities and teaching methods:
Working methods
• Traditional Handicraft in the Context of Technical Work: lectures 6 h, small groups 22 h,
• Electronics Applications: lectures 4 h, small groups 24 h
• Electronics Applications: lectures 6 h, small groups 22 h

Target group:

Recommended optional programme components:

Recommended or required reading:

The availability of the literature can be checked in this link.

Literature (in English): introduced by the lecturers at the beginning of the course.
Assessment methods and criteria:

Grading:
0-5
• Mainly numerical grades, sometimes pass/fail
• Written and/or web-based materials produced during the course will be assessed for content and didactic methodology
• Instead of producing such materials, these studies may be completed by examination based on lecture materials and course books
• Material objects produced by students during exercises will be graded numerically paying particular attention to their pedagogical value and functional and aesthetic aspects
• Ratio between assessment of material objects and written materials is 2:1

Person responsible:
Teuvo Pussila

406033A: Crafts/Textile Work and Technology, 7 op
Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail

Opintokohde:

Hyvönen, Leena & Lindfors, Eila (toim.), , 2001
Kantola, Jouko & Kananoja, Tapani (eds.), , 2002
Pirjo Karhu, Maija Malmström, Tuula Mannila, , 2002
Kojonkoski-Rännäli, Seija , , 1998
Kullas, Sampsa & Pelkonen, Marja-Leena (eds.), , 2005
Opetushallitus, , 2004
Suojanen, Ulla , , 1993
Tapaninen, Reino (toim.), , 2002

Opintokohteen oppimateriaali:

Hyvönen, Leena & Lindfors, Eila (toim.), , 2001
Kantola, Jouko & Kananoja, Tapani (eds.), , 2002
Pirjo Karhu, Maija Malmström, Tuula Mannila, , 2002
Kojonkoski-Rännäli, Seija , , 1998
Kullas, Sampsa & Pelkonen, Marja-Leena (eds.), , 2005
Opetushallitus, , 2004
Suojanen, Ulla , , 1993
Tapaninen, Reino (toim.), , 2002

ECTS Credits: 5 - 6 credits
Language of instruction: English
Timing: 

Learning outcomes:
These studies aim at helping students to understand the role and responsibility of crafts as part of the educational mission of comprehensive school. Learning and teaching are approached from the traditions and current practices of crafts and textile work, with a focus on future challenges. Viewed both from an aesthetic and a technological perspective, textiles are seen as constituting the immediate environment of humans and as part of the constructed environment. Through a cooperative approach, students become acquainted with the contents of the subject area and technological problem solution. The scientific basis of textile work can be found in handicrafts science as well as crafts, art and technology education.

Contents:
Crafts/Textile Work and Technology studies comprise three courses:

1. **Material, sewing and clothing technology (2 pts./ 1 cr.)**
   In material technology, students consider textiles in terms of their fiber material and fabric structure and as products. Sewing and clothing technology is studied by making a garment from an elastic material and by lengthening the live span of another garment by repairing it. Students evaluate their own learning process both theoretically and practically using a portfolio.

2. **User-cantered design and production and problem solving in crafts and technology (2 pts./ 1 cr.)**
   This course familiarizes students with user-cantered design and problem solving in crafts and technology. They collaborate to design and manufacture a functional prototype that solves a particular problem. Theoretical contents and practical processes are documented and analyzed using the portfolio approach. The course also includes excursions.

3. **Pedagogical and didactic considerations (2 pts./ 1,5 cr.)**
   Product design, manufacture and evaluation processes are viewed within the framework of crafts, technology and art education. Teaching is problem-based and learning is assessed by means of portfolios.

Learning activities and teaching methods:

- Working methods
  - Studies include teaching in large and small groups, individual work and partially optional participation in workshops
  - Completion requires active participation
  - Both theoretical and practical studies are documented in a partially digital, partially 3-dimensional pedagogical portfolio
  - Theoretical knowledge can also be tested through an examination
  - Part of studies are common to all craft-oriented courses (textile work and technology)
  - Material, sewing and clothing technology: lectures 10 h, small groups 18 h, independent work 26 h
  - User-cantered design and production and problem solving in crafts and technology: lectures 8 h, small groups 20 h, independent work 26 h
  - Pedagogical and didactic considerations: lectures 10 h, small groups 18 h, independent work 26 h

Target group: 

Recommended optional programme components:
Recommended or required reading:

Additional literature: Lecture materials, topical articles as agreed
Literature (in English): introduced by the lecturers at the beginning of the course.
Assessment methods and criteria:
Grading:
0-5
- Evaluation consists of cooperative evaluation, peer evaluation, self-evaluation and evaluation by teacher
- Exercises are graded pass or fail
- Final assignment and teaching portfolio will be evaluated on the basis of agreed criteria and graded 0–5

Person responsible:
Jaana Anttonen

408015S: Curriculum and School Development, 5 op
Voimassaolo: 01.08.2005 - 
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Cornbleth, Catherine , , 1990
Doll, William E. Jr. , , 1993
Stoll, Louise , , 1996
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406037A-02: Device control, 1 op
Voimassaolo: 01.08.2005 - 
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
410068P: Didactics, 4 op

Voimassaolo: 01.08.2005 - 
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Hakkarainen, Kai , , 1999, pakollinen
Lisätiedot:
Kansanen, Pertti , , 2004, pakollinen
Lisätiedot:
Rauste-von Wright, Maijaliisa , , 2003, pakollinen
Lisätiedot:
Rauste-von Wright, Maijaliisa , , 1994, pakollinen
Lisätiedot:
Uusikylä, Kari , , 2005, pakollinen
Lisätiedot:
Uusikylä, Kari , , 2000, pakollinen
Lisätiedot:
Opintokohteen kielet: Finnish
Leikkaavuudet:
ay410068P Didactics: (OPEN UNI) 4.0 op

ECTS Credits:
4 credits
Language of instruction:
Finnish

406037A-01: Drama, 0,5 op

Voimassaolo: 01.08.2005 - 
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksovaikua.

406021A: Drama Education, 2 op

Voimassaolo: 01.08.2005 - 
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Contents:
This course focuses on the foundations of expressive education and drama pedagogy as well as on problems relating to the development of interaction skills. Drama is viewed both as a form of learning and as pedagogical communication.

Learning activities and teaching methods:
Small groups 24 h

Target group:

Recommended optional programme components:

Recommended or required reading:
Literature (in English) introduced by the lecturers at the beginning of the course.

Assessment methods and criteria:

Grading:
Pass/fail

Person responsible:
Kauko Komulainen

410071P: Educational philosophy, 4 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Atjonen, Päivi, 2004, pakollinen
Lisätiedot:
Pitkänen, Pirkko, 1996, pakollinen
Lisätiedot:
Puolimatka, Tapio, 1996, pakollinen
Lisätiedot:
Puolimatka, Tapio, 1995, pakollinen
Lisätiedot:
Vestergaard, Ebbe, 1987, pakollinen
Lisätiedot:
Vestergaard, Ebbe, 1985, pakollinen
Lisätiedot:
Opintokohteen kielet: Finnish
Leikkaavuudet:
ay410071P Educational philosophy: (OPEN UNI) 4.0 op

ECTS Credits:
4 credits

410069P: Educational psychology, 4 op
Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Dunderfelt, Tony, 1997, pakollinen
Lehtinen, Erno, 2001, pakollinen
Vuorinen, Risto, 1990, pakollinen
Opintokohteen kielet: Finnish

Leikkaavuudet:
ay410069P Educational psychology: (OPEN UNI) 4.0 op

Ei opintojaksokeuvuksia.

406024A: Ethics, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Airaksinen, Timo, 1987
Kamppinen, Matti (toim.), 1987
Laurila, Aarne (toim.), 1979
Niiniluoto, Ilkka, 1984
Opintokohteen kielet: Finnish

ECTS Credits:
2 credits
Language of instruction:
English
Timing:

Learning outcomes:
Students gain a holistic view of philosophy/ethics as a subject taught in comprehensive and upper secondary school. They also acquire basic knowledge and skills for teaching ethics and philosophy in primary school.

Objectives of learning:
- Gaining a holistic view of philosophy/ethics as a subject taught in comprehensive and upper secondary school
- Acquiring basic knowledge and skills for teaching ethics and philosophy in primary school.

Contents:

- Philosophy/ethics as a subject in comprehensive school
- History of philosophy/ethics as a school subject
- Contents of the teaching curriculum
- Ethical commitments in teaching
- Practical organization of teaching
- Philosophy/ethics – what is it?
- Manifestation, structure and activity of philosophy/ethics
Different philosophies of life
- Moral philosophical foundation of ethics and philosophy
- Central concepts in morality
- Moral values and justifications for their validity
- Characteristics and uses of morality
- Sense of morality and its development
- Features of moral thinking in different times
- Didactics of philosophy/ethics
- Concept of knowledge and learning
- Working methods and learning materials.

Learning activities and teaching methods:
Working methods
- All students familiarize themselves with the literature introduced by the lecturers
- Alternative modes of working include small groups (including planning of teaching, familiarization with and presentation of methods applicable to teaching ethics and philosophy, etc., at students’ discretion).

Target group:

Recommended optional programme components:

Recommended or required reading:
The availability of the literature can be checked in this link.

Agreed separately with the teacher responsible for the course.

Upper secondary school textbooks
Nykyihmisen etiikka ja moraali. (1979). WSOY.
Literature (in English): Introduced by the lecturers at the beginning of the course.

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Markku Salakka

406035A-02: Examination, 0 op

Opiskelumuoto: Language and Communication Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: English

Ei opintojaksokuvauksia.

405020Y: Foreign language and multiculturalism, 3 op

Opiskelumuoto: Language and Communication Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opettajat: Roberts Gordon
Opintokohteen kielet: English
405020Y-01: Foreign language and multiculturalism, first part, 1,5 op

Opiskelumuoto: Language and Communication Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: English

Ei opintojaksokuvauksia.

405020Y-02: Foreign language and multiculturalism, second part, 1,5 op

Opiskelumuoto: Language and Communication Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: English

Ei opintojaksokuvauksia.

406029A: Geography, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Haubrich, Hartwig (Hrsg.), , 2006
Opetushallitus, , 2004
Rikkinen, Hannele , , 1997
Rikkinen, Hannele (toim.), , 1998
Tilbury, Daniella & Williams, Michael (eds.), , 1997
Wiegand, Patrick , , 1993
Opintokohteen kielet: Finnish

ECTS Credits: 2 credits
Language of instruction: English
Timing: 2. academic year, fall term
Learning outcomes:
Geography is a part of natural science subjects. The goal of teaching and learning of the subjects is that the
learners comprehend their responsibility of nature, constructed environments, themselves and other people.
Students gather and construct information during the courses and develop skills for planning and implementing of
teaching situations and environments so that the scientific thinking of a pupil and its development is possible from
individual, interactive and collaborative perspectives.

During the course in geography, students get acquainted with integral issues and phenomenon relating to natural
and cultural geography.

The course aims that students
- Familiarize themselves with the curriculum of geography, and environmental and natural science studies
- Broaden and deepen their knowledge and understanding regarding the environment of nature and built environment, comprehension of issues and phenomenon, and different cultures.
- Get acquainted with planning, implementing and evaluation of teaching of geography, and environmental and natural science studies.
- Reflect their growth and development from the viewpoint of sustainable development and functioning as a teacher of geography, and environmental and natural science studies.

Contents:
1. Introduction
   - Overview of the aims, contents and methods of completion of the course
   - The curriculum of geography
2. Maps and teaching of maps
   - Different maps
   - Different approaches to teaching of maps
3. Space, climate and weather
   - Earth in the universe and solar system
   - Climatic zones
   - Weather and observing of it
4. Natural resources and livelihoods
   - Organic and inorganic material
   - Soil types, rocks, minerals and ores
   - Structure of livelihoods
5. Landscapes and use of land
   - Topography • Types of landscapes • Built environment
6. Interaction between human beings and the environment
   - Environmental relation • Sustainable development
7. Multiculturalism as a thematic entity

Learning activities and teaching methods:
Method of teaching: 16 hours of contact teaching per subject. Different methods of sensitivity, science and value education are used during the courses.

Method of completing: Active participation in the contact teaching and a final exam. The exam can be replaced with some alternative method of completion agreed separately with the teacher responsible for the course.

Target group:

Recommended optional programme components:

Recommended or required reading:
The availability of the literature can be checked in this link.

Peruskoulun opetussuunnitelman perusteet (maantiedon osalta) www.oph.fi
OR:
OR:
OR

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Eila Jeronen

407027A: Guidance of Learning, Planning and Evaluation of Teaching, 3 op
Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Järvelä, Sanna, Häkkinen, Päivi & Lehtinen, Erno (toim.), 2006
McGilly, Kate (ed.), 1994

Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406030A: Health Education, 1 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Kannas, Lasse & Tyrväinen, Heli (toim.), 2005
Korhonen, Juho et al. (toim.), 2002
Korhonen, Juho et al. (toim.), 2000
Opushallitus, 2004
Peltonen, Heidi & Kannas, Lasse (toim.), 2006
Peltonen, Heidi & Kannas, Lasse (toim.), 2005
Vertio, Harri, 2003

Opintokohteen kielet: Finnish

ECTS Credits:
1 credits
Language of instruction:
English
Timing:
3. academic year, fall term
Learning outcomes:
Health education is a part of natural science subjects. The goal of teaching and learning of the subjects is that the learners comprehend their responsibility of nature, constructed environments, themselves and other people. Students gather and construct information during the courses and develop skills for planning and implementing of teaching situations and environments so that the scientific thinking of a pupil and its development is possible from individual, interactive and collaborative perspectives.

During the course in health education, students familiarize themselves with, through operational methods, how pupils are supported in adapting a healthy lifestyle.

The course aims that students:
- Understand the multidimensional nature of health and sickness
- Get acquainted with concepts relating to health and the bases of promoting health
- Contemplate relations between ways of life and health and educational challenges regarding promoting health
- Form a general picture of the mental development of children and adolescents
- Perceive the operational principles of human structure and system
- Reflect on their assumptions and actions from the viewpoint of working as a health education teacher.

Contents:
Content
1. Introduction
   • Overview of the aims, contents and methods of completion of the course
   • The curriculum of health education
2. Basics of health education
   • Health as a concept
   • Sickness as a concept
3. Ways of life
   • Control in life and intoxicants
   • Nutritional habits
   • Physical activeness, rest and physical condition
4. Challenges for the mental development of children and adolescents
   • Mental development, development functions and challenges of children and adolescents
   • Dimensions of mental health
5. Structure and function of the body and their examination
   • Structure of the body
   • Operation and regulation of organs, systems and organ systems

Learning activities and teaching methods:
Method of teaching: 16 hours of contact teaching per subject. Different methods of sensitivity, science and value education are used during the courses.
Method of completing: Active participation in the contact teaching and a final exam. The exam can be replaced with some alternative method of completion agreed separately with the teacher responsible for the course.

Target group:

Recommended optional programme components:

Recommended or required reading:
The availability of the literature can be checked in this link.

Peruskoulun opetussuunnitelman perusteet (terveystiedon osalta) www.oph.fi
OR:
OR:
OR:

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Eila Jeronen

406022A: History, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Asunmaa, Martti, , 1994
Karlen, Arno, , 2000
Löfström, Jan (toim.), , 2002
Vahtola, Jouko, , 2003
Lisätiedot:
Zetterberg, Seppo et. al. (toim.), , 2006
Zetterberg, Seppo et. al. (toim.), , 1988
Opintokohteen kielet: Finnish
ECTS Credits: 3 credits
Language of instruction: English
Timing:.

Learning outcomes:
The course equips students with skills to create frameworks for understanding the nature of the past and of different historical periods and helps them to construct their own history knowledge. Students will be able to analyze contemporary problems and change processes, acquire a holistic perception of the world and use it effectively in teaching. An overarching aim is to make students aware of their own cultural background and identity and to gain appreciation for cultural diversity. Students are encouraged to adopt an active, tolerant and democratic approach to teaching citizenship.

Contents:.

Learning activities and teaching methods:.

Target group:.

Recommended optional programme components:.

Assessment methods and criteria:.

Grading:
0-5

Person responsible:
Gordon Roberts

407029A: Infant and Primary Education, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Högström, Barbro & Saloranta, Outi (toim.), 2001
Järvinen, Heljä, 1993
Opetushallitus., 2000
Opetushallitus., 2004
Saloranta, Outi (toim.), 2002
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

410014Y: Information and communication as a pedagogical tool, 3 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: General Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Leikkaavuudet:

ay410014Y Information and communication as a pedagogical tool (OPEN UNI) 3.0 op

Ei opintojaksokuvauksia.
405024Y: Introduction to Theoretical Foundations and Practics in Technology Education, 4 op

Voimassaolo: 01.08.2006 -  
Opiskelumuoto: General Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406020A-02: Language and Writing, 4 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

410069P-01: Lecture in educational psychology, 2 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Basic Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406031A-03: Listening Education, 1 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406020A-01: Literature and Reading, 3 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit
**410069P-02: Literature in educational psychology, 2 op**

Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

**408013S: Master's Thesis, 35 - 40 op**

Opiskelumuoto: Advanced Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: A,B,N,C,M,EX,L  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

**406033A-01: Materials, Sewing and Clothing Technology, 3 op**

Voimassaolo: 01.08.2011 -  
Opiskelumuoto: Intermediate Studies  
Laji: Partial credit  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

**406025A: Mathematics Education: Part I, 3 op**

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

ECTS Credits:  
3 credits  
Language of instruction:
Learning outcomes:

Objective
- Ensuring and deepening those skills in mathematics needed for teaching at grades 1 – 6
- Becoming familiar with the latest development in research of mathematics education
- Developing mathematics educational thinking
- Increasing the knowledge of the curriculum
- Increasing interest and self-confidence in mathematics, problem solving and the teaching of mathematics

Contents:

- The knowledge and information, attitudes and appreciations needed for competent mathematics teaching
- Logico-mathematical problem solving and its applications
- Problem based teaching of mathematics
- Measuring and calculating with units
- Proportions, ratios, fractions and percentage calculations
- The emergence of algebraic thinking and developing it through teaching

Learning activities and teaching methods:
Small groups 16 h

Target group:

Recommended optional programme components:

Recommended or required reading:
Literature introduced by the lecturers at the beginning of the course.

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Tapio Keranto

408013S-01: Maturity Test, 30 op

Opiskelumuoto: Advanced Studies
Laji: Diploma thesis
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

407030A-01: Maturity Test, 0 op

Voimassaolo: 01.08.2005 - 31.07.2015
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

406020A: Mother Tongue and Literature, 7 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opettajat: Sääskilahti, Minna Susanna
Opintokohteen oppimateriaali:
Suojala, Marja & Karjalainen, Maija (toim.), 2001
Gruenthal, Satu & Pentikäinen, Johanna (toim.), 2006
Harmanen, Minna & Siiloinen, Mari (toim.), 2003
Huhtala, Liisi (toim.), 2003
Opintokohteen kielet: Finnish

ECTS Credits:
7 credits

Language of instruction:
English
Learning outcomes:
The aim of studies is to arouse student interest in language and to make them multiskilled intermediaries of linguistic culture, who possess the competence to develop the linguistic abilities of children. To this end, students familiarize themselves with Finnish and literature as school subjects, together with the contents, methods and background theories of communication teaching, primary level reading and literature.

Contents:
Finnish Language and Literature comprises two parts:

1. **Literature and Reading (3 pts. / 2 cr.)** This course focuses on the primary level curriculum and helps students gain an understanding of the role of literature in childhood development and education. Using literary and interpretation pedagogy, a variety of texts are used to develop extensive and manysided reading, literacy and interaction skills.

2. **Language and Writing (4 pts. / 2 cr.)** Students familiarize themselves with the linguistic knowledge and background theories required in the description and teaching of Finnish. They also learn skills relating to child instruction, language observation and study of language structures. Also strengthened is their ability to enhance pupils’ textual skills.

The course also includes teaching practice.

Learning activities and teaching methods:
Working methods
1. Contact teaching 36 h: lectures 6 h, small groups 30 h; independent work 44 h
2. Contact teaching 44 h, which also includes 4 - 6 h of seminar work conducted in small groups during bachelor’s degree studies.

Target group:

Recommended optional programme components:

Recommended or required reading:
The availability of the literature can be checked in this link from this link


Other optional literature with article reading

Grading:
0-5

Person responsible:
Leena Räisänen

Other information:
Students whose language of instruction has not been Finnish and whose Finnish language skills are not sufficiently good, are exempted from Finnish studies. Instead, they study the same amount of English and didactics of English language teaching.

A256402: Multidisciplinary Studies in the Subjects and Cross-Curricular Themes Taught in Basic Education, 65 op

Opiskelumuoto: Intermediate Studies
Laji: Study module
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

**ECTS Credits:**
65 credits
**Language of instruction:**
English
Contents:
Humanities module

ECTS: 15 pts.
assessment: 0-5

This module crystallizes the three central perspectives in class-teacher education: values, social awareness and
communication. Students familiarize themselves with the contents and pedagogy of the different subjects to gain the competence needed to enhance pupils’ language-based learning and interaction skills. Further, students acquire a knowledge base and assessment skills that support their ethical development, empower them to become active participants in democratic society and promote human rights. Courses:

- 406020 A Finnish Language and Literature (7 pts.)
- 406021A Drama Pedagogy (2 pts.)
- 406022A History (3 pts.)
- 406023A Religion OR
- 406024A Philosophy/Ethics (2 pts.)
- 407517A Thematic Practice (1 pts.)

Course convener: Leena Räisänen

Science module

ECTS: 15 pts.

Assessment: 0-5

Studies in the Science Module aim at familiarizing students with science and mathematics teaching as well as applying and developing methods of teaching. Students will learn to perceive, study, model and explain scientific phenomena and events. In addition, they will understand the significance of mathematics and natural sciences in the context of pupil development and education. Teaching within the module focuses on key issues that enhance student abilities and curriculum development, didactics of the various subjects and implications of didactic research for teaching. Teaching may also involve integration of shared projects involving a number of different courses. Results and experiences of these projects can then be utilized in teaching practice.

Courses:

- 406025A Mathematic Education: Part I (3 pts.)
- 406026A Mathematic Education: Part II (2 pts.)
- 406027A Physics and chemistry (4 pts.)
- 406028A Biology (2 pts.)
- 406029A Geography (2 pts.)
- 406030A Health Education (1 pts.)
- 407517A Thematic Practice (1 pts.)

Course convener: Tapio Keranto, Lasse Jalonen and Eila Jeronen

Arts module

ECTS: 30 pts.

Assessment: 0-5

Studies in the Arts Module provide students with such fundamental knowledge and skills in arts and crafts as will allow them to carry out and develop the basic educational curriculum in line with pupil achievement. Another goal is to foster an understanding for the educational significance of the different arts and the skill building process from the perspective of child development.

Courses:

- 406031A Music (8 pts.)
- 406032A Art (6 pts.)
- 406033A Crafts/Textile Work/Technology (6 pts.) OR
- 406034A Crafts/Technical Work and Technology (6 pts.)
- 406035A Physical Education (6 pts.)
- 406036A Basics of Art and Practical Education (1 pts.)
- 406037A Optional Studies in Art and Practical Education (2 – 6 pts.)
- 407517A Thematic Practice (1 pts.)

Students may take one arts and crafts course as a reduced 4 credit study unit. Course convener: Teachers in the Arts Module

Learning activities and teaching methods:

- Target group:
- Recommended optional programme components:
- Recommended or required reading:
- Assessment methods and criteria:
- Grading: 0-5
410017Y: Multimedia as a learning project, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: General Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Leikkaavuudet:
  ay410017Y  Digital Media in Teaching and Learning (OPEN UNI)  2.0 op

Ei opintojaksokuvauksia.

406031A: Music, 8 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opettajat: Marja Ervasti
Opintokohteen oppimateriaali:
Alho, Eve, Hautsalo, Hilkka & Perkiö, Soili (toim.), ., 1995
Alho, Eve, Hautsalo, Hilkka & Perkiö, Soili (toim.), ., 1992
Ervasti, Marja, , 2003
Hyvönen, Leena (1), , 1995
Opetushallitus, , 2004
Styng, Jorma, , 1998
Styng, Jorma, , 1997
Tenni, Jyrki, , 2004
Opintokohteen kielet: Finnish

ECTS Credits:
7 - 8 credits
Language of instruction:
English
Timing:
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Learning outcomes:
In Music Studies, music education is viewed in the larger framework of cultural and art education. Students make music in groups and acquire the subject knowledge and pedagogical skills necessary for music education in school.

Music education comprises the following courses:

1. Pedagogical Applications of Music Education (3 pts./ 2 cr.) Students acquaint themselves with such pedagogical applications of music education as working with a large musical group and paying attention to different level students. They are also introduced to the contents and methods of the subject through a wide range of activities.

2. Voice and Singing (1 pts./ 0,5, cr.) Students learn effective use of voice together with various ways of teaching vocal expression and singing. They are also encouraged to use their voice for creative personal expression.
3. **Listening - Practical Adaptations in Music Education (1 pts./ 0,5 cr.)** Students will be introduced to listening education as a natural ingredient of different ways of working with music. They also familiarize themselves with a range of music cultures, styles and stylistic periods and learn to adopt diverse approaches to music.

4. **Music Theory in Practice (1 pts./ 0,5 cr.)** Students learn to understand and use musical concepts and notation when listening to or making music.

5. **Accompaniment Instrument / Piano or Guitar (2 pts./ 1 cr.)** Students learn to play accompaniment in diverse musical settings. Focusing mainly on free accompaniment, the course helps to advance creative self-expression and the ability to follow music by ear.

**Contents:**

1. **Pedagogical Applications of Music Education, 3 pts. (2 cr.)**
   - Familiarize students with the pedagogical contents and uses of music in primary school through extensive music-making (singing, playing, music and rhythmic exercises as well as musical innovation)
   - Present basic techniques and pedagogical uses of school instruments (percussive instruments, percussion instruments, band instruments, self-made instruments, recorders and kantele (traditional Finnish harp))
   - Music education is a holistic arts and culture-based education which incorporates physical activities, drama, other arts and skills as well as extramusical themes.

2. **Voice and Singing, 1 pts. (0,5 cr.)** Provide practice in the proper use and maintenance of voice, vocal expression and their pedagogical application through singing, speech and play-like exercises.

3. **Listening Education, 1 pts. (0,5 cr.)**
   - Listening education is an integral part of all musical activities and helps to put music in a time and place and to gain an appreciation for culturally different types of music
   - Music is approached by adding such elements to listening as enhance focusing on it (physical, verbal, visual or musical stimuli)
   - Music listening proceeds from experiences and emotions to concepts

4. **Music Theory in Practice, 1 pts. (0,5 cr.)**
   - To offer an introduction to musical notation, chord markings, keys and intervals
   - Practical competence is acquired through instrument playing (piano/guitar)

5. **Accompaniment Instrument/Piano or Guitar, 2 pts. (1 cr.)**
   - To familiarize students with different musical notation systems, real chord symbols, different styles of music and accompaniment as well as playing techniques
   - Group lessons involve directing and accompanying communal singing and music playing

**Learning activities and teaching methods:**

**Working methods**

1. Small groups 40 h
2. Small groups 14 h and independent work 13 h
3. Small groups 14 h and independent work 13 h
4. teaching takes place in one term and includes 14 h of contact teaching and 13 h of independent work
5. teaching 20 h and independent work 33 h

**Target group:**

**Recommended optional programme components:**

**Recommended or required reading:**


Ajankohtaiset musiikikasvatuksen artikkelit ja www-materiaali (esim. MOVE, Normaalikoulun ops, OPH:n opetussuunnitelmien perusteet).

Eri kustantajien (mm. WSOY, Otava, Warner- Chappell) perusopetuksen musiikin oppikirjat ja niiden oheismateriaali.
The availability of the literature can be checked from this link.

Assessment methods and criteria:

Grading:
1. Pass/fail
2. Pass/fail
3. Pass/fail
4. 0-5
5. 0-5

Person responsible:
Module convener: Teachers in the Arts Module.
Course convener:
1. N.N.
2. Maria Mustonen
3. Marja Ervasti
4. Markku Pehkonen ja Liisa Rännäli
5. Markku Pehkonen ja Liisa Rännäli

406031A-04: Music Theory in Practice, 1 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kiele: Finnish

Ei opintojaksoakuvausia.

408014S: Optional Course, 5 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kiele: Finnish

Ei opintojaksoakuvausia.

406037A: Optional Studies in Art and Practical Education, 2 - 6 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kiele: Finnish
Voidaan suorittaa useasti: Kyllä

ECTS Credits:
1 - 6 credits
Language of instruction:
Optional studies consist of art and practical studies or integrating thematic units. Optional studies and their completion are announced separately at the beginning of each term. The extent of optional studies is 2.0 points (1.5 cr.), and the amount of contact teaching is 14 h/point.

**Contents:**

Learning activities and teaching methods:

**Target group:**

Recommended optional programme components:

**Recommended or required reading:**

Literature (in English) introduced by the lecturers at the beginning of the course.

**Assessment methods and criteria:**

Grading:

Pass/fail

**Person responsible:**

Marja Ervasti

**Other information:**

Optional courses are not compulsory, if the amount of achieved points within Art and Practical Education otherwise exceeds 30.

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### 408025S: Optional Studies: Basics of Educational Administration, 1 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuysikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

### 410075P: Orientation to Work at School, 2 op

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Basic Studies

**Laji:** Practical training

**Vastuuysikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 credits

**Language of instruction:**

Finnish

**Person responsible:**

- Rauni Räsänen and Maria Järvelä (LUKO)
- Rauni Räsänen and Matti Lindh (TEKNO)

### 405023Y: Orientation to studies, 1 op
Orientation to studies (OPEN UNI) 1.0 op

406031A-01: Pedagogical Applications of Music Education, 3 op

410076P: Pedagogical Seminar in Technology Education I, 3 op

407034A: Pedagogical Seminar in Technology Education II, 3 op
Opintokohteen oppimateriaali:
Heikinaro-Johansson, Pilvikki, Huovinen, Terhi & Kytökorpi, Lea (toim.), , 2003
Opetushallitus, , 2004
ECTS Credits:
5 - 6 credits

Language of instruction:
English

Timing:
I year autumn/ total 38 h:
- Lectures 8 h
- Adventure education 4 h
- Track and field 6 h
- Indoor ball games 12 h
- Basic gymnastics 8 h

I year spring/ total 24 h:
- Gymnastics with apparatus 8 h
- Cross-country skiing 6 h
- Outdoor ball games 10 h

II year autumn/ total 16 h:
- Rhythmic gymnastics 10 h
- Cross-country and nature sports 6 h

II year spring/ total 6 h:
- Skating 6 h
- Swimming ability must be demonstrated

1 year exercises 3 pts. (2 cr.)
Examination 1 pts. (0.5 cr.)
2 year exercises 2 pts. (1 cr.)

Learning outcomes:
Students acquaint themselves with the objectives, contents and teaching methods of physical education. The aim is to gain such knowledge and skills as gives them the competence to teach physical education classes in grades 0–6.

Physical Education comprises the following courses:
1. Orientation Toward Didactics and Pedagogy in Physical Education
2. School Gym as a Physical Education Environment
3. Snow, Ice and Water as Physical Education Environments
4. Immediate Environment of the School in Autumn and Spring
5. Independent Work in Physical Education (LOTTO)

Contents:

1. Orientation Toward Didactics and Pedagogy in Physical Education (12 h)
   - Societal justification for physical education
   - Physical education = education for physical exercise and education through physical exercise
   - Based on latest research on physical exercise and sport and on physical education
   - Physical education curriculum and teaching process
   - Approaches to teaching physical education
   - Adventure education

2. School Gym as a Physical Education Environment (38 h)
   - Ball games, including ball handling, basketball, volleyball and floorball
   - Gymnastics, including basic gymnastics, rhythmic gymnastics and gymnastics with apparatus

3. Snow, Ice and Water as Physical Education Environments (12 h)
   - Cross-country skiing
   - Skating
   - Swimming ability must be demonstrated

4. Immediate Environment of the School in Autumn and Spring (22 h)
   - Track and field
   - Outdoor ball games, including soccer and Finnish baseball
   - Cross-country and nature sports

5. Independent Work in Physical Education (LOTTO) (76 h)
   - Students keep an exercise log
   - Preliminary activities for physical exercises (2 – 5 h)
   - Summaries of conducted lessons (5 – 10 h)
   - Planning lessons for students’ own classes (2 h)
Preparing for the examination (10 h)
Acquiring and training swimming skills (0 – 20 h)
Practicing students’ own physical exercise skills (20 – 40 h)
Participating in health-enhancing physical activities (4 – 10 h)
Introduction to sports culture and school sports events, including ball games, gymnastics and dancing exhibitions, interschool competitions such as the Hese race and Valio relay race, school sports events such as Jumppasirkus (gymnastics circus) and Jumppajuna (gym train) (8 – 20 h)
Compiling a list of references from PE teaching materials

Learning activities and teaching methods:
Lectures 8 h, small groups 76 h and independent work 76 h

Target group:

Recommended optional programme components:

Recommended or required reading:

Literature (in English): Introduced by the lecturers at the beginning of the course.

The availability of the literature can be checked in this link.

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Physical Education lecturer

406027A: Physics and Chemistry, 4 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

ECTS Credits:
4 credits

Language of instruction:
English

Timing:

Learning outcomes:

Contents:

This course seeks to give students an overall picture of basic education in physics and chemistry. This involves, first of all, gaining subject knowledge and adequate mastery of the knowledge and skills required in experimental teaching. It also encompasses developing an understanding of the nature of scientific knowledge, scientific methods and concept formation. And, thirdly, it includes the development of subject didactic knowledge and thinking. To provide support for student development, the course also aims at cultivating a personal interest for the subject and strengthening students’ self-image as producers and distributors of scientific knowledge.

Objectives and contents of learning:

- Significance of physics and chemistry for human kind and society, its position in the curriculum and central educational aims
- The ontological and epistemological underpinnings of scientific knowledge
- Phenomena, concepts and experimental research related to water, air, space, light, sound, electricity, magnetism and the structure of matter seen from the viewpoints of physics, chemistry and subject didactics.

Learning activities and teaching methods:
Small groups 38 h
The adopted approach is both perceptive and reflective and emphasizes concept formation and discussion. Working methods vary, but centre stage is held by the experimental approach and its application to basic scientific education. Students will be offered opportunities to design, implement and evaluate teaching.

Target group:

Recommended optional programme components:

Recommended or required reading:
Introduced by the lecturers at the beginning of the course.

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Lasse Jalonen

405024Y-02: Practical Exercises, 3 op

Voimassaolo: 01.08.2006 -
Opiskelumuoto: General Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

406023A: Religion, 2 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Kallioniemi, Arto & Luodeslampi, Juha (toim.), , 2005
Pyysiäinen, Markku & Seppälä, Jarkko (toim.), 1998
Watson, Brenda , 1993
Opintokohteen kielet: Finnish

ECTS Credits:
2 credits

Language of instruction:
English

Timing:

Learning outcomes:
Students commit to a learning and studying process that helps them to put their deepening viewpoint in the context of a larger religion pedagogical framework. The process also promotes their ability to assess its significance for developing their religion teaching skills as part of their future professional competence and social activities.

Contents:
- Nature and importance of religion teaching as part of Finnish school education
- Significance of religion in the cultural context of Finnish society
- Significance of the religious viewpoint as part of childhood religious development and human growth
Didactic questions and premises in religion teaching
Relationship between religious education on one hand and multiculturalism and education for internationalism on the other

Learning activities and teaching methods:

Target group:

Recommended optional programme components:

Recommended or required reading:
Jokin seuraavista teoksista:
Watson, B. (1993). The Effective Teaching of RE.

Kurssikirjojen saatavuuden voi tarkastaa tästä linkistä.

Literature (in English): Introduced by the M.Ed. lecturers at the beginning of the course.

Assessment methods and criteria:

Grading:
0-5

Person responsible:
Markku Salakka

411006A: Research course I, 10 op

Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opettajat: Peltonen, Jouni Aslak
Opintokohteen oppimateriaali:
Metsämuuronen, Jari , , 2005, pakollinen
Lišätiedot:
Metsämuuronen, Jari , , 2003, pakollinen
Lišätiedot:
Metsämuuronen, Jari , , 2006, pakollinen
Lišätiedot:
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

Alternative

411006A-01: a) 1. Basic course in quantitative research, lecture, 2 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.
411006A-02: a) 2. Statistical analysis, lecture, 2 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-03: a) 3. Exercises, 1 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-04: b) 1. Basic course in qualitative research, lecture, 3 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-05: b) 2. Basic course in qualitative research, exercises, 2 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

413005S: Research course II, 10 op

Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Metsämuuronen, Jari, , 2003
Metsämuuronen, Jari, , 2005
407032A: School Experience II: Bachelor's Level, 6 op

Voimassaolo: 01.08.2006 -  
Opiskelumuoto: Intermediate Studies  
Laji: Practical training  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

408020S: School Work in the Master Phase, 11 op

Voimassaolo: 01.08.2006 -  
Opiskelumuoto: Advanced Studies  
Laji: Practical training  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

407033A: Science Culture and Technology, 2 op

Voimassaolo: 01.08.2005 -  
Opiskelumuoto: Intermediate Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen kielet: Finnish

410013Y: Scientific communication, 2 op

Opiskelumuoto: Language and Communication Studies  
Laji: Course  
Vastuuysikkö: Faculty of Education  
Arvostelu: 1 - 5, pass, fail  
Opintokohteen oppimateriaali:  
Kemppainen, Tapani, , , 2002  
Lisätiedot:  
Heikkinen, Vesa , , 2000  
Hirsjärvi, Sirkka , , 1997  
Kakkuri-Knuuttila, M-L (toim.), , 1998  
Opintokohteen kielet: Finnish
410070P: Sociology of education, 4 op

Voimassaolo: 01.08.2005 -
Opiskelumuoto: Basic Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Leikkaavuudet:
    ay410070P Sociology of education: Society, educational institutions and social interaction (OPEN UNI) 4.0 op

Ei opintojaksokuvauksia.

407026A: Special Education, 3 op

Opiskelumuoto: Intermediate Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Ahvenainen, Ossi , 2005
Ahvenainen, Ossi , 1999
Ikonen, Oiva , 2000
Jahnukainen, Markku (toim.), 2001
Murto, Pentti, Naukkarinen, Aimo & Saloviita, Timo (toim.), 2001
Hautamäki, Jarkko (toim.), 2001
Ikonen, Oiva & Virtanen, Pirkko (toim.), 2001
Pulkkinen, Lea , 2002
Räsänen, Pekka et al. (toim.), 2004
Sinkkonen, Jari & Pihlaja, Päivi (toim.), 1999
Opintokohteen kielet: Finnish

410016Y: Speech communication and drama, 2 op

Opiskelumuoto: Language and Communication Studies
Laji: Course
Vastuuysikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen oppimateriaali:
Isotalus, Pekka (toim.), 1994
Takala, E. & Gerlander, M. (toim.), 1995
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

411006A-09: Statistical analyses, lecture + exercises (compensatory literature), 3 op
407024A: Teacher as a Pedagogical Thinker and Agent, 3 op

407029A-02: Teaching to read and write, 1,5 op

408021S: Theme-based Practice, 6 op

405024Y-01: Theoretical Part, 1 op
**408013S-02: Thesis, 5 op**

**Voimassaolo:** 01.08.2005 - 31.07.2016  
**Opiskelumuoto:** Advanced Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Faculty of Education  
**Arvostelu:** A,B,N,C,M,EX,L  
**Opintokohteen kielet:** Finnish  

Ei opintojaksokuvauksia.

**406034A-01: Traditional Handicrafts in the Context of Technical Work, 3 op**

**Voimassaolo:** 01.08.2005 -  
**Opiskelumuoto:** Intermediate Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Faculty of Education  
**Arvostelu:** 1 - 5, pass, fail  
**Opintokohteen kielet:** Finnish  

Ei opintojaksokuvauksia.

**406033A-02: User-Centred Design and Manufacture as an Approach to Crafts nad Technology Problems, 2 op**

**Voimassaolo:** 01.08.2011 -  
**Opiskelumuoto:** Intermediate Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Faculty of Education  
**Arvostelu:** 1 - 5, pass, fail  
**Opintokohteen kielet:** Finnish  

Ei opintojaksokuvauksia.

**406031A-02: Voice and Singing, 1 op**

**Voimassaolo:** 01.08.2005 -  
**Opiskelumuoto:** Intermediate Studies  
**Laji:** Partial credit  
**Vastuuysikkö:** Faculty of Education  
**Arvostelu:** 1 - 5, pass, fail  
**Opintokohteen kielet:** Finnish  

Ei opintojaksokuvauksia.
413005S-01: a) 1. Advanced course in quantitative research, lecture, 3 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

413005S-02: a) 2. Advanced course in quantitative research, exercises, 2 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

413005S-05: a) Advanced Course in Quantitative Research Methods, 5 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

411006A-06: a)2. Statistical analysis, lecture + exercises, 3 op

Opiskelumuoto: Intermediate Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

413005S-03: b) 1. Advanced course in qualitative research, lecture, 2 op

Opiskelumuoto: Advanced Studies
413005S-04: b) 2. Advanced course in qualitative research, exercises, 3 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

413005S-06: b) Advanced Course in Qualitative Research Methods, 5 op

Opiskelumuoto: Advanced Studies
Laji: Partial credit
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.