

# Opasraportti

## Master's Degree Programme in Learning, Education and Technology 2012-2013 (2012 - 2013)

The Master's Degree Programme in Learning, Education and Technology (LET) educates experts in learning. The core of the education consists of three theoretical viewpoints: self-regulated learning, collaborative learning, and the learning of expertise. Each aspect requires strong individual learning skills, and understanding and developing these abilities are essential in this program. Expertise includes abilities to use technologies in pedagogically grounded manners in different learning contexts.

The objectives, contents, and study methods of the program are based on the latest research in the field of learning, as well as expectations set by the individual's working life and the society. Graduates from the LET program are competent to work for example in professions such as teachers, educators, educational consultants, human resources developers, project leaders, coordinators, researchers, and administrators in both the private and public sectors.

Learning, Education and Technology (LET) is a full-time two-year international Master's Program (120 ECTS credits). After completing the program, students are awarded a Master of Arts (Education) degree, which enables them to continue their academic studies at the doctoral level. This degree does not constitute a formal teaching qualification.

Code	Title	Credits	Timing – credits per semester			
			Year 1	Year 1	Year 2	Year 2
			Autumn	Spring	Autumn	Spring
<b>General Studies: Language, Communication, and Orientation Studies</b>						
405516Y	Language Studies	2		2		
405517Y	Communication and Orientation Studies	3		3		
	<i>total</i>	5		5		
<b>Minor Subject Studies: Introductory Studies in Educational Technology</b>						
418019P	Introduction to Learning and Educational Technology	6		6		

<b>418020P</b>	<b>Learning Theory and Pedagogical Use of Technology</b>	<b>7</b>	<b>7</b>			
<b>418021P</b>	<b>Designing Technology-Enhanced Learning</b>	<b>6</b>			<b>6</b>	
<b>418022P</b>	<b>Educational Projects</b>	<b>6</b>	<b>2</b>		<b>4</b>	
	<b>total</b>	<b>25</b>	<b>15</b>		<b>10</b>	
<b>Major Subject Studies: Advanced Studies in Educational Sciences</b>						
<b>413311S</b>	Self-Regulated Learning	7.5	7.5			
<b>413312S</b>	Collaborative Learning	7.5			7.5	
<b>413313S</b>	Learning of Expertise	7.5	0.5	3	3	1
<b>413314S</b>	Evaluating Technology-Enhanced Learning in Global School Systems	7.5				7.5
<b>413315S-02</b>	Research Methodology: Quantitative Research	5			5	
<b>413315S-01</b>	Research Methodology: Qualitative Research	5			5	
<b>413008S</b>	Master's Thesis	40	5	7	13	15
	<b>total</b>	<b>80</b>	<b>13</b>	<b>20</b>	<b>23.5</b>	<b>23.5</b>
<b>Optional Studies</b>						
<b>A200090</b>	Freely selected by students (Completion time is optional)	10			5	5
	<b>total</b>	<b>10</b>			<b>5</b>	<b>5</b>
	<b>total for the degree</b>	<b>120</b>	<b>33</b>	<b>30</b>	<b>28.5</b>	<b>28.5</b>

Minor changes are possible in the table.

# Tutkintorakenteet

## LET - Master's Degree Programme in Learning, Education and Technology

Tutkintorakenteen tila: archived

Lukuvuosi: 2012-13

Lukuvuoden alkamispäivämäärä: 01.08.2012

### General Studies: Language, Communication, and Orientation Studies (5 op)

In the LET programme, students must complete 5 credits of general studies. The general studies form an orientation to the university studies in Finland and particularly to the LET program. The general studies are divided to language studies (2 credits) and communication and orientation studies (3 credits).

#### Language Studies

901002Y: Second Official Language (Swedish), 2 op

405033Y: Survival Finnish, 2 op

#### Communication and Orientation Studies

405517Y: Communication and orientation studies, 3 op

### Minor Subject Studies: Introductory Studies in Educational Technology (25 op)

In the LET programme, all students must complete minor subject studies in Introductory Studies of Educational Technology (total 25 ECTS credits).

#### Introduction to Learning and Educational Technology

418019P: Introduction to Learning and Educational Technology, 5 op

#### Learning Theory and Pedagogical Use of Technology

418020P: Learning Theory and Pedagogical use of ICT, 7 op

#### Designing Technology-Enhanced Learning

418021P: Designing Technology-Enhanced Learning, 7 op

#### Educational Projects

418022P: Educational Projects, 6 op

### Major Subject Studies: Advanced Studies in Educational Sciences (80 op)

In the LET programme, all students must complete 80 credits of major subject studies.

#### Self-Regulated Learning

413311S: Self-Regulated Learning, 8 op

#### Collaborative Learning

413312S: Collaborative Learning, 5 op

### **Learning of Expertise**

413313S: Learning of Expertise, 10 op

#### *Compulsory*

413313S-01: Mentoring process part 1, 3 op

413313S-02: Mentoring process part 2, 3 op

413313S-03: Expert profiles, 4 op

### **Evaluating Technology-Enhanced Learning in Global School Systems**

413314S: Designing Technology-Enhanced Learning, 5 op

### **Master's Thesis**

413008S: Thesis studies, 35 op

### **Research Methodology: Quantitative and Qualitative Research**

408517S: Research methodology, 10 op

### **Optional Studies (enintään 10 op)**

In the LET programme, students can select a total of 10 credits of optional studies. Students can select their optional studies, e.g., on the basis of their previous studies, thesis topic, or personal interest.

*Kindly note that in order to complete courses by other departments or Languages and Communications Center, etc. students might need to apply for a study right or they might be required to register by certain annual deadline. Students are advised to familiarise themselves with the policies and procedures of the department in question.*

## **Tutkintorakenteisiin kuulumattomat opintokokonaisuudet ja -jaksot**

413315S-01: Advanced course in qualitative research, 5 op

413315S-02: Advanced course in quantitative research, 5 op

405516Y: Language studies, 2 op

A200090: Other Studies, 0 - 25 op

413315S: Research course II (LET), 10 op

## **Opintojaksojen kuvaukset**

### **Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset**

**901002Y: Second Official Language (Swedish), 2 op**

**Voimassaolo:** 01.08.1995 - 31.07.2012

**Opiskelumuoto:** Language and Communication Studies

**Laji:** Course

**Vastuuyksikkö:** Language Centre

**Opintokohteen kielet:** Swedish

**Leikkaavuudet:**

ay901002Y Second Official Language (Swedish) (OPEN UNI) 2.0 op

Ei opintojaksokuvauksia.

## 405033Y: Survival Finnish, 2 op

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**Proficiency level:**

A1, according to the Common European Framework

**Required proficiency level:**

No previous Finnish studies.

**ECTS Credits:**

2 ECTS credits

**Language of instruction:**

Finnish and English

**Learning outcomes:**

By the end of the course the student can understand and use some very common everyday expressions and phrases, and s/he can locate informational content in simple texts and messages. The student also knows the basic characteristics of Finnish language and Finnish communication styles.

**Contents:**

This is an introductory course which aims to help students to cope with the most common everyday situations in Finnish. During the course, students learn some useful everyday phrases, some general features of the vocabulary and grammar, and the main principles of pronunciation.

The topics and communicative situations covered in the course are: general information about the Finnish language, some politeness phrases (how to greet people, thank and apologize), introducing oneself, giving and asking for basic personal information, numbers, some time expressions (how to tell and ask the time, days of the week, time of day), food, drink and asking about prices.

The structures studied are: personal pronouns and their possessive forms, forming affirmative, negative and interrogative sentences, the conjugation of some verbs, the basics of the partitive singular and some local cases for answering the 'where'-question.

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

Lessons twice a week (24 h) and self study (26 h).

**Target group:**

International degree and post-graduate degree students of the University.

**Prerequisites and co-requisites:**

None

**Recommended optional programme components:**

None

**Recommended or required reading:**

Will be provided during the course.

**Assessment methods and criteria:**

Regular and active participation in the weekly lessons (twice a week), homework assignments and written exam at the end of the course will be observed in assessment.

**Grading:**

Grading scale is 1-5.

**Person responsible:**

Marja Pohjola-Effe

**Working life cooperation:**

None

**Other information:**

Sign-up in WebOodi or by emailing the teacher. The lessons will be held twice a week during a 6-week period.

**405517Y: Communication and orientation studies, 3 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

3 ECTS

**Language of instruction:**

English

**Timing:**

Autumn 2012

**Learning outcomes:**

After this course, the student is able to

- search for scientific publications in databases and evaluate them
- identify a scientific text and what separates it from other publications
- use central referencing practices and the basic functions of bibliographic management software

**Contents:**

- Academic communication and writing
- Characteristics and assessment of scientific texts
- Use of databases

**Learning activities and teaching methods:**

Contact teaching 8 h, practice sessions 16 h, collaborative and independent study in contact teaching sessions and online 56 h.

**Target group:**

Students in LET Master's degree program

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching, practice sessions, and the collaborative and independent work. Successful completion of the learning assignments and practice works.

**418019P: Introduction to Learning and Educational Technology, 5 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Language of instruction:**

EduTool: Finnish, LET: English

**Timing:**

EduTool: autumn 2011, LET: autumn 2012

**Learning outcomes:**

After this module the student can

- describe the basic concepts of educational technology
- name some of the central research topics in the field of learning and educational technology
- identify societal trends and strategic policies affecting the research field of educational technology
- describe the central characteristics of collaborative expertise
- use core utility software and information networks and evaluate their pedagogical usability, as well as
- plan and implement a digital portfolio in a blog environment

**Contents:**

- Significance of educational technology in a learning society
- Basic concepts related to educational technology
- Introduction to the study of learning and educational technology: objectives, research subjects and the theoretical framework
- Expertise and reflecting upon one's own expertise
- Central ICT applications

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 50 h, practice sessions 25 h, collaborative and independent study 86 h.

**Target group:**

Ed.tech minor subject students; EDUTOOL- Master's degree students; LET Master's degree program students

**Prerequisites and co-requisites:**

no

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching, practice sessions, and the collaborative and independent work. Successful completion of the learning assignments.

**Grading:**

0-5

**Person responsible:**

contact person Venla Vallivaara

**Working life cooperation:**

No

## **418020P: Learning Theory and Pedagogical use of ICT, 7 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

7 ECTS

**Language of instruction:**

Edutool: Finnish, LET: English

**Timing:**

Edutool: autumn 2011 LET: autumn 2012

**Learning outcomes:**

After this course, the student can

- identify the theoretical learning-related principles that form the basis of technology-supported studying and teaching
- define self-regulated learning, collaborative learning, and the acquisition of expertise on a conceptual level, as well as describe the relationships of those concepts
- justify the utilization of technology as support for learning from the point of view of learning research
- evaluate various collaborative learning models as supports for the learning sciences
- describe the basics of planning, supporting, and evaluating a learning process in a technology-based learning environment

**Contents:**

- Self-regulated learning: Motivation and learning strategies in technology-supported environments
- Collaborative learning, Computer-supported collaborative learning (CSCL) and collaborative learning models
- Learning of expertise
- Possibilities of supporting learning offered by technology
- Planning technology-supported learning, guiding, and evaluating learning

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 45 h, small group sessions 50 h, collaborative and independent study 92 h.

**Target group:**

Ed tech minor subject students; EDUTOOL master's degree students; LET Master's degree program students

**Prerequisites and co-requisites:**

no

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching, small group sessions, and the collaborative and independent work.

Successful completion of learning assignments and examination.

**Grading:**

0-5

**Person responsible:**

Venla Vallivaara

**Working life cooperation:**

No

**418021P: Designing Technology-Enhanced Learning, 7 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Basic Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

6 ECTS

**Language of instruction:**

English

**Timing:**

Edutool: spring 2012 LET: spring 2013

**Learning outcomes:**

- Students will be capable to describe characteristics of TEL
- Students will be capable to define main stages of designing TEL
- Students will be proficient to design and implement pedagogically well-grounded web-course
- Students will be competent to assess pedagogical use of Information and Communication Technology (ICT)

**Contents:**

- Technology-Enhanced Learning (TEL) concept
- Designing TEL: design process, selection of technology, constructing TEL environment
- Implementing TEL
- Evaluating TEL

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Lectures 15 h, individual and collaborative studying in virtual learning environment 145 h.

**Target group:**

Students minoring Ed. tech; Students in EDUTOOL master's degree programme; Students in LET Master's degree programme

**Prerequisites and co-requisites:**

No



**Recommended optional programme components:**

No

**Recommended or required reading:**

To be announced at the beginning of the module

**Assessment methods and criteria:**

Active participation to the lectures and individual and collaborative studying in virtual learning environment.

**Grading:**

0-5

**Person responsible:**

Venla Vallivaara

**Working life cooperation:**

No

**418022P: Educational Projects, 6 op****Voimassaolo:** 01.08.2011 -**Opiskelumuoto:** Basic Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** Finnish**ECTS Credits:**

6 ECTS

**Language of instruction:**

Edutool: Finnish, LET: English

**Timing:**

Edutool: Implementation 1: autumn 2011-spring 2012

LET: spring 2013

**Learning outcomes:**

After this course the student can

- plan and implement an educational project
- work responsibly as a part of the project team
- plan and evaluate educational projects utilizing current learning research information
- apply the special competence of his or her own field to the contents, planning, and implementation of projects
- work as an expert in his or her field in a multidisciplinary project team

**Contents:**

- Basics of project work
- Planning, practical realisation, and administration of project work
- Special characteristics of educational projects
- The utilization of technology in project work and educational projects
- Development challenges in the field of learning and educational technology

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 40 h, independent and collaborative work in a project team, as well as practical project and reporting 120 h.

**Target group:**

Students minoring Ed. tech; Students in EDUTOOL master's degree programme; Students in LET Master's degree programme

**Prerequisites and co-requisites:**

no

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching and the work of the project team. Implementation of the project and reporting.

**Grading:**

0-5

**Person responsible:**

Niina Impiö

**Working life cooperation:**

no

**413311S: Self-Regulated Learning, 8 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

7,5 ECTS

**Language of instruction:**

LET: English, Edutool: Finnish

**Timing:**

autumn 2012

**Learning outcomes:**

After this course, the student is able to

- analyze the mutual interaction of cognitive, emotional, and motivational factors and their effect on learning
- compare and explain the significance of individual and group activity in learning
- predict, develop, and evaluate the connection of different technological applications to the process of self-regulating learning

**Contents:**

- Cognitive learning strategies and motivational and emotional factors
- Self-regulation of learning
- Learning as a social phenomenon
- Learning as a situational activity

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 20 h, collaborative and independent study 180 h.

**Target group:**

Students in LET and EDUTOOL-master's degree programs

**Prerequisites and co-requisites:**

no

**Recommended optional programme components:**

no

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching and collaborative and independent work. Completing learning assignments.

**Grading:**

0-5

**Person responsible:**

Sanna Järvelä and Jonna Malmberg

**Working life cooperation:**

no

**413312S: Collaborative Learning, 5 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** English

**ECTS Credits:**

7,5 ECTS

**Language of instruction:**

English

**Timing:**

Edutool: autumn 2012, LET: autumn 2013

**Learning outcomes:**

Students will

- understand state-of-the-art theoretical basis for CSCL and learning communities in various educational and work life contexts
- be capable to design, evaluate and assess collaborative learning in technology-enhanced environments
- improve their collaborative academic writing and argumentation skills

**Contents:**

- Learning communities
- Computer-Supported Collaborative Learning (CSCL)
- Distributed intelligences
- Technological tools for distributing intelligences
- Collaborative academic writing

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Lectures 40 h, individual and collaborative studying in virtual learning environment 160 h. The course will be implemented in international collaboration.

**Target group:**

Students in LET and EDUTOOL Master's degree programs

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation to lectures, individual and collaborative studying in virtual learning environment.

**Grading:**

0-5

**Person responsible:**

Pirkko Hyvönen

**Working life cooperation:**

No

**413313S: Learning of Expertise, 10 op**

Voimassaolo: 01.02.2011 -

**Opiskelumuoto:** Advanced Studies**Laji:** Course**Vastuuyksikkö:** Faculty of Education**Arvostelu:** 1 - 5, pass, fail**Opintokohteen kielet:** English**ECTS Credits:**

7,5 ECTS

**Language of instruction:**

Edutool: Finnish, LET: English

**Timing:**

Edutool: autumn 2011-spring 2013, LET: autumn 2012-spring 2014

**Learning outcomes:**

After this course, the student

- is able to examine the learning of expertise as a life-long process that one can pursue oneself
- understands the theoretical framework of the learning of expertise and is able to apply it in practice
- is able to explain and interpret the factors affecting the learning of expertise

- is able to monitor and reflect upon his/her own activity and the activity of the society in the framework of the acquisition of expertise
- understands the effect of education and the working life in supporting the learning of expertise

**Contents:**

- Education, working life and expertise
- Theoretical background of the learning of expertise
- Working strategies characteristic of an expert
- Social innovations as a part of expertise

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Lectures 40 h, individual and collaborative studying in virtual learning environment 160 h

**Target group:**

Students in LET and EDUTOOL Master's degree programs

**Prerequisites and co-requisites:**

None

**Recommended optional programme components:**

None

**Recommended or required reading:**

To be announced at the beginning of the module

**Assessment methods and criteria:**

Active participation in contact teaching and collaborative and independent work in an expert group. Completing learning assignments.

**Grading:**

0-5

**Person responsible:**

Pirkko Hyvönen and Niina Impiö

**Working life cooperation:**

None

*Compulsory*

**413313S-01: Mentoring process part 1, 3 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**413313S-02: Mentoring process part 2, 3 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

Ei opintojaksokuvauksia.

**413313S-03: Expert profiles, 4 op**

**Voimassaolo:** 01.08.2012 -

**Opiskelumuoto:** Advanced Studies

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

Ei opintojaksokuvauksia.

## 413314S: Designing Technology-Enhanced Learning, 5 op

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** English

**ECTS Credits:**

7.5 ECTS

**Language of instruction:**

English

**Timing:**

Edutool: spring 2013, LET: spring 2014

**Learning outcomes:**

After completing the module students will be able to

- recognize needs, problems, situations and practices of pedagogical use of technologies in global school systems and find research-based solutions for the shortcomings
- analyze and compare education in different school systems and identify factors affecting education in global contexts
- design technology-enhanced learning processes, in order to develop and analyze structures for the best practices

**Contents:**

- Concept of comparative education, school system and technology-enhanced learning
- Introduction of school systems of participating countries
- Pedagogical use of technologies in learning and in different school systems
- Designing, supporting and assessing TEL

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Lectures 50 h, individual and collaborative studying in virtual learning environment 150 h.

**Target group:**

Students in EDUTOOL and LET master's degree programs

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

No

**Recommended or required reading:**

Will be confirmed at the beginning of the module.

**Assessment methods and criteria:**

Active participation to the lectures, individual and collaborative studying in virtual learning environment.

**Grading:**

0-5

**Person responsible:**

Pirkko Hyvönen

**Working life cooperation:**

No

## 413008S: Thesis studies, 35 op

**Voimassaolo:** 01.08.2005 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

40 ECT

**Language of instruction:**

Finnish

**Timing:**

Masters level studies (4-5<sup>th</sup> year)

**Learning outcomes:**

The student can prepare, independently or in pairs, a piece of educational research, which shows that the student(s) is knowledgeable of the research area, has the capacity for academic thought, and has the necessary skills in research methodology and scientific and academic forms of communication. The student can evaluate the work of other researchers and take part in academic discussion.

**Contents:**

As a part of the advanced level studies of the major subject, the students prepare, independently or in pairs, a masters thesis, which shows that the student(s) is knowledgeable of the research area, has the capacity for academic thought, and has the necessary skills in research methodology and scientific and academic forms of communication.

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

Seminar work 40h, thesis, maturity test.

**Target group:**

Master's level students

**Recommended or required reading:**

As agreed.

**Assessment methods and criteria:**

Research work, presentation at seminar

**Grading:**

0-5

**Person responsible:**

Pauli Siljander

Sanna Järvelä ja Pirkko Hyvönen (EDUTOOL and LET)

**Working life cooperation:**

No

## **408517S: Research methodology, 10 op**

**Voimassaolo:** 01.08.2006 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen oppimateriaali:**

Silverman, David , , 2005

Silverman, David , , 2000

Kerlinger, Fred N. , , 2000

Schostak, John , , 2006

Coffey, Amanda , , 1996

Creswell, John W. , , 1998

**Opintokohteen kielet:** English

**ECTS Credits:**

10 credits

**Language of instruction:**

English

**Timing:**

EdGlo: 1st year, autumn and spring

DD: 2nd year, autumn and spring (in Oulu)

LET: 1st year, autumn and spring

**Learning outcomes:**

After completion of the course, students are able to:

- Identify the characteristics and main traditions of both qualitative, quantitative and mixed methods research, particularly in the humanities and social sciences
- Analyse the main approaches and research methods from the perspective of various traditions
- Produce a research plan and a coherent, logical and justified research report
- Collect data and apply various methods of analysis and interpretation
- Determine the credibility and ethics of research projects

**Contents:**

- Research methodologies
- Construction of a methodological framework in research
- Data collection
- Analysis of data and its interpretation
- Validity and reliability in research
- Reporting research
- Ethical questions in research

**Mode of delivery:**

Face-to-face teaching

**Learning activities and teaching methods:**

80 h lectures/ seminars, 190 h independent study

**Target group:**

- 1st year students on the Master's Degree Programme in Education and Globalisation
- DD students
- LET students

**Prerequisites and co-requisites:**

No

**Recommended optional programme components:**

1st and 2nd year EdGlo courses: 408512S, 408513S, 408514S, 408515S, 408516S, and 408510S

**Recommended or required reading:**

Creswell, J. W. (1998). *Qualitative inquiry and research design*. London: Sage.

Kerlinger, F. (2000). *Foundations of behavioural research*. Fort Worth: Harcourt College Publishers.

Silverman, D. (2000). *Doing qualitative research. a practical handbook*. London: Sage.

Other study material will be confirmed at the beginning of the course.

The availability of the literature can be checked from [this link](#).

**Assessment methods and criteria:**

Active participation in lectures/seminars, an essay, an exam

**Grading:**

0 - 5

**Person responsible:**

Quantitative Methodology: Jouni Peltonen (Master's Degree Programme in Education and Globalisation, Double Degree Programme, and Master's Degree Programme in Learning, Education and Technology)

Qualitative Methodology: Maija Lanås (Master's Degree Programme in Education and Globalisation, Double Degree Programme), Pirkko Hyvönen (Master's Degree Programme in Learning, Education and Technology)

**Working life cooperation:**

No

**Other information:**

No

## Tutkintorakenteisiin kuulumattomien opintokokonaisuuksien ja -jaksojen kuvaukset

**413315S-01: Advanced course in qualitative research, 5 op**

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English

**Timing:**

spring 2012

**Learning outcomes:**

After this course, the student is able to

- compile a research plan and report
- process and analyze qualitative data
- describe and report results from qualitative research data
- evaluate the ethicality and reliability of qualitative research
- apply the knowledge thus gained to his or her Master's Thesis

**Contents:**

- Basics and central concepts of qualitative research
- Qualitative research approaches
- Research plan
- Theoretical framework
- Research material and the analysis thereof
- Ethicality and reliability
- Writing a research publication

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 50 h, seminar work 30 h and independent and collaborative study 54 h.

**Target group:**

Education master's level students

**Prerequisites and co-requisites:**

Research methods 1

**Recommended optional programme components:**

Research methods 1

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching and seminar work. Successful completion of the learning assignments.

**Grading:**

0-5

**Working life cooperation:**

no

## 413315S-02: Advanced course in quantitative research, 5 op

**Opiskelumuoto:** Advanced Studies

**Laji:** Partial credit

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

5 ECTS

**Language of instruction:**

English

**Timing:**



spring 2012

**Learning outcomes:**

After this course, the student can

- process and analyze quantitative data
- report the results from quantitative research material
- assess the reliability of a quantitative study
- apply the knowledge thus gained to his or her Master's Thesis

**Contents:**

- Basics of quantitative research
- Significance of theory in quantitative research
- Operationalization and related problems
- Statistical deduction and statistical description, as well as making deductions from material to theory
- Questions of reliability in quantitative research

**Mode of delivery:**

Face-to-face and web-based teaching

**Learning activities and teaching methods:**

Contact teaching 15 h, practice works and familiarizing oneself with the preliminary material 70 h, and collaborative and independent study in contact teaching sessions and online 49 h.

**Target group:**

Education Master's level students

**Prerequisites and co-requisites:**

Research Methods 1

**Recommended optional programme components:**

Research Methods 1

**Recommended or required reading:**

To be announced at the beginning of the module.

**Assessment methods and criteria:**

Active participation in contact teaching and practice sessions. Successful completion of the learning assignments.

**Grading:**

0-5

**Working life cooperation:**

no

## 405516Y: Language studies, 2 op

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** General Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

2 ECTS

**Contents:**

Students must complete 2 credits of language studies:

- Foreign students must complete the Survival Finnish Course (code 405033Y). If they have already completed the Survival Finnish course or an equivalent Finnish course, or already have basic skills in Finnish, they can choose a more advanced level Finnish course (min. 2 credits) or a course in another language (min. 2 credits) from the courses offered by the Language Centre at the university.
- Finnish citizens must complete the Swedish language course (offered by the Language Centre at the university, code 901002Y). If they have already completed an equivalent course as a part of their Bachelor's degree, they must choose a min. 2 credits of other language studies from the courses offered by the Language Centre at the university. (If the student's previous studies have not included studies in the Swedish language, she /he can be exempted from these studies on the basis of the application addressed to the faculty.)

**Target group:**

Students in LET Master's degree program

## A200090: Other Studies, 0 - 25 op

**Opiskelumuoto:** Other Studies

**Laji:** Study module

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**Voidaan suorittaa useasti:** Kyllä

Ei opintojaksokuvauksia.

## **413315S: Research course II (LET), 10 op**

**Voimassaolo:** 01.08.2011 -

**Opiskelumuoto:** Advanced Studies

**Laji:** Course

**Vastuuyksikkö:** Faculty of Education

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

**Opintokohteen kielet:** Finnish

**ECTS Credits:**

10 ECTS

**Timing:**

Edutool: spring 2012, LET: spring 2013

**Other information:**

Research studies consists of following study modules:

- Quantitative research, 5 cr (413315S-02)
- Qualitative research, 5 cr (413315S-01)

See descriptions at abovementioned study units.