Opasraportti

Master's Degree Programme in Learning, Education and Technology (2016 - 2017)

Tutkintorakenteet

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

Tutkintorakenteen tila: archived

Lukuvuosi: 2016-17

Lukuvuoden alkamispäivämäärä: 01.08.2016

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

Communication and Orientation Studies

405517Y: Communication and orientation studies, 3 op

Minor Subject Studies: Learning, Education and Technology (25 op)

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

418021P: Designing Technology-Enhanced Learning, 7 op
418022P: Educational Projects, 6 op
418019P: Introduction to Learning and Educational Technology, 5 op
418020P: Learning Theory and Pedagogical use of ICT, 7 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.

408045S: Abstract / Maturity Test, 0 op
413312S: Collaborative Learning, 5 op
413314S: Designing Technology-Enhanced Learning, 5 op
413313S: Learning of Expertise, 10 op
413317S: Literature, 4 op

408043S: Master's Thesis, 30 op
408517S: Research methodology, 10 op
413311S: Self-Regulated Learning, 8 op
408044S: Thesis Seminar, 5 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.

Opintojaksojen kuvaukset

Tutkintorakenteisiin kuuluvien opintokohteiden kuvaukset

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

Ei opintojaksokuvauksia.

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:
5/7 ECTS
Language of instruction:
English/Finnish
Timing:
Spring term, 1 st year studies in the LET Master's Degree Programme; 1 st year studies in the EdGlo Master's Degree Programme
Learning outcomes:
After completion of this course, the student knows how to
- describe the theoretical background and main stages of designing technology-enhanced learning (TEL)
- design a TEL course
- justify and evaluate instructional and technological design

Contents:
- Technology-Enhanced Learning (TEL) as a concept
- Designing TEL: instructional and technological design
- Structuring individual and collaborative learning activities
- Implementing and evaluating TEL

Mode of delivery:
Face-to-face and online
Learning activities and teaching methods:

Face-to-face / online 32h

Collaborative and individual learning 150h

Students become familiar with the key concepts, theories and approaches of technology-enhanced learning (TEL) and implement this knowledge by designing their own course in small groups. Students reflect and report on the different stages of the design process in a digital portfolio.

Target group:
1st year students on the LET Master's Programme
1 st year studies in the EdGlo Master's Degree Programme
Educational Technology minor students
Other students

Prerequisites and co-requisites:
No
Recommended optional programme components:
No
Recommended or required reading:
Contemporary readings in the field of technology-enhanced learning, to be announced at the beginning of the course
Assessment methods and criteria:
Active participation in face-to-face teaching and collaborative and independent work. Successful completion of all the learning assignments and exercises.
Read more about assessment criteria at the University of Oulu webpage.
Grading:
0-5
Person responsible:
Essi Vuopala
Working life cooperation:
No
Other information:
The students in the Master's Degree Programme in Education and Globalization (EdGlo) join the same face-to-face sessions in their own 5-credit course "Designing Technology-Enhanced Learning".
EdGlo students will be informed about their specific tasks in the beginning of the course.

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:
English/Finnish
Timing:
Spring term, 1 st year studies in the LET Master's Programme
Learning outcomes:
After completion of this course, the student knows how to
- plan and implement an educational project
- work responsibly as a member of a project team in collaboration with a client
- apply theoretical knowledge of learning to solve practical challenges in educational working contexts

- report and inform different target groups on the project

Contents:
- Basics of project work
- Planning, implementation and administration of projects
- Educational projects
- Technology in support of project work

Mode of delivery:
Face-to-face and online

Learning activities and teaching methods:
Face-to-face 40h
Collaborative and individual learning 120h
In this course the students implement an educational project for a local company, school or other organization. The students design, implement and report on the project in a project group under the teacher's guidance. In this course the students learn about project work in theory and practice. Students reflect and report on different phases of their project work in their digital portfolio.

Target group:
1st year students on the LET Master's Programme
Educational Technology minor students
Other students (see the prerequisites below)

Prerequisites and co-requisites:
Before joining this course, the student should have completed the following courses:
418019P *Introduction to Learning and Educational Technology*
418020P *Learning Theory and Pedagogical Use of Technology*

Recommended optional programme components:
no

Recommended or required reading:
Contemporary readings in the field of learning, educational technology and educational projects, to be announced at the beginning of the course

Assessment methods and criteria:
Active participation in face-to-face and collaborative and individual learning. Successful completion of all the learning assignments and exercises.
Read more about assessment criteria at the University of Oulu webpage.

Grading:
0-5

Person responsible:
Essi Vuopala

Working life cooperation:
no

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:
5 ECTS

Language of instruction:
English/Finnish

Timing:
autumn 2013

Learning outcomes:
After completion of this course, the student knows how to
- describe the basic concepts of learning sciences and educational technology
- name some of the major research topics in the field of learning sciences and technology enhanced learning
- identify and discuss contemporary issues in educational technology in global and local educational contexts
- use contemporary educational software and hardware, and also evaluate those pedagogical usability

- create a digital portfolio in the form of a personal journal in a weblog

Contents:
- Basic concepts of instruction, learning and technology enhanced learning
- Introduction to the field of learning sciences and technology enhanced learning: objectives, research subjects and theoretical framework
- Reflection on one's own learning and expertise
- Pedagogical use of contemporary educational software and hardware

Mode of delivery:
Face-to-face and online
Learning activities and teaching methods:
Face-to Face 50h
Collaborative and individual learning 80 h
In this course the students familiarise themselves with the theoretical background, core concepts, and contemporary tools of educational technology. The course introduces the students to the field of learning sciences and examines the role of learning and educational technology in a globalised world. One central goal of this course is to learn to use and evaluate technologies in a pedagogically meaningful way. In this course students start to reflect on their own learning and expertise in a digital portfolio.
Target group:
1st year students on the LET Master's Programme
Educational Technology minor students
Other students (as a part of their optional studies)
Prerequisites and co-requisites:
no
Recommended or required reading:
- How People Learn: Brain, Mind, Experience, and School: Expanded Edition. (2000). Washington, DC: The National Academies Press.
- and/or other contemporary readings in the field of learning and educational technology, to be announced at the beginning of the course.

Assessment methods and criteria:
Active participation in face-to-face teaching and collaborative and independent work. Successful completion of all the learning assignments and exercises.
Read more about assessment criteria at the University of Oulu webpage.
Grading:
0-5
Person responsible:
Essi Vuopala

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:
English/Finnish
Timing:
Autumn term, 1st year studies in the LET Master's Programme
Learning outcomes:
After completion of this course, the student knows how to
- identify the theoretical principles underlying technology-enhanced learning
- define the concepts of self-regulated learning, collaborative learning and learning of expertise
- describe the use of technology to support such learning
- justify pedagogical use of technology by using current theoretical knowledge of learning

Contents:
- Self-Regulated Learning

- Collaborative Learning and Computer-Supported Collaborative Learning (CSCL)
- Learning of Expertise
- Supporting learning with technology

Mode of delivery:
face-to-face and online
Learning activities and teaching methods:
Face-to-face 30 h
Collaborative and individual learning 157 h
The course includes three theoretical viewpoints on learning: self-regulated learning, collaborative learning, and learning of expertise. The goal of the course is to understand these theoretical principles of learning and comprehend the possibilities to support such learning with technology. Students reflect on their theoretical knowledge and their own learning process in their digital portfolio
Target group:
1st year students on the LET Master's Programme
Educational Technology minor students
Other students (as a part of their optional studies)
Prerequisites and co-requisites:
no
Recommended optional programme components:
no
Recommended or required reading:
- How People Learn: Brain, Mind, Experience, and School: Expanded Edition. (2000). Washington, DC: The National Academies Press.
- Boekaerts, M. Pintrich, P.R. & M. Zeidner, M. (Eds.), (2000). Handbook of Self-Regulation. San Diego, CA: Academic Press.
- Spada E. & Reiman, P. (Eds) (1996). Learning in Humans and Machine: Towards an interdisciplinary learning science. Oxford: Elsevier.
- Bereiter, C. & Scardamalia, M. (1993). Surpassing ourselves: An Inquiry Into the Nature and Implications of Expertise. Open Court Publishing Company.
- and/or other contemporary readings in the field of learning and educational technology, to be announced at the beginning of the course.

Assessment methods and criteria:
Active participation and collaborative and independent work. Successful completion of all the learning assignments and exercises.
Read more about assessment criteria at the University of Oulu webpage.
Grading:
0-5
Person responsible:
Essi Vuopala
Working life cooperation:
No

408045S: Abstract / Maturity Test, 0 op

Voimassaolo: 01.08.2015 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.

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:
8 ECTS
Language of instruction:
English
Timing:
Autumn term, 2 nd year studies in the LET Master's Programme
Learning outcomes:
After completion of this course the students are able to
  - understand the state-of-the-art theoretical basis for CSCL and learning communities in various educational and work-life contexts
  - deepen their understanding of one area of CSCL
  - design, evaluate, and assess collaborative learning in technology-enhanced environments
  - improve collaborative academic writing and argumentation skills
Contents:
  - Computer-Supported Collaborative Learning (CSCL)
  - Emotions and motivation in collaborative learning
  - Structuring collaborative learning
  - Metacognition and problem-solving in CSCL
  - Collaborative academic writing
Mode of delivery:
Face-to-face and online
Learning activities and teaching methods:
Face-to-face 20 h
Individual online learning 58 h
Collaborative online learning 130 h
Target group:
2nd year students in the LET Master's Programme
Prerequisites and co-requisites:
No
Recommended optional programme components:
Communication and Orientation Studies (405517Y)
Introduction to Learning and Educational Technology (418019P)
Learning Theory and Pedagogical Use of Technology (418020P)

Recommended or required reading:
To be announced at the beginning of the course
Assessment methods and criteria:
Active participation in face-to-face and collaborative and individual work. Successful completion of all the learning assignments and exercises.
Read more about assessment criteria at the University of Oulu webpage.
Grading:
0-5
Person responsible:
Essi Vuopala
Working life cooperation:
No

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

Ei opintojaksokuvauksia.

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

Ei opintojaksokuvauksia.

413317S: Literature, 4 op

Voimassaolo: 01.08.2013 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: English

Ei opintojaksokuvauksia.

408043S: Master's Thesis, 30 op

Voimassaolo: 01.08.2015 -
Opiskelumuoto: Advanced Studies
Laji: Diploma thesis
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish
Voidaan suorittaa useasti: Kyllä

Ei opintojaksokuvauksia.

408517S: Research methodology, 10 op

Voimassaolo: 01.08.2006 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: English

ECTS Credits:
10 credits
Language of instruction:
English
Timing:
EDGLO: 1st year, autumn and spring, 1st - 4th teaching period
DD: 2nd year, autumn and spring (in Oulu), 1st - 4th teaching period
LET: 1st year, autumn and spring, 1st - 4th teaching period
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 in the Master's Degree Programme in Education and Globalisation (EDGLO)
DD students
1st year students in the Master's Degree Programme in Learning, Education and Technology (LET)
Prerequisites and co-requisites:
No
Recommended optional programme components:
EdGlo: 1st and 2nd year courses: 408512S, 408513S, 408514S, 405287S, 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
Read more about assessment criteria at the University of Oulu webpage.
Grading:
Pass/fail
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: Magda Karjalainen (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

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

Ei opintojaksokuvauksia.

408044S: Thesis Seminar, 5 op

Voimassaolo: 01.08.2015 -
Opiskelumuoto: Advanced Studies
Laji: Course
Vastuuyksikkö: Faculty of Education
Arvostelu: 1 - 5, pass, fail
Opintokohteen kielet: Finnish

Ei opintojaksokuvauksia.