FACULTY OF EDUCATION

International Master's Programme in Information Technology and Learning, 120 credits

Internationellt masterprogram i informationsteknologi och lärande, 120 högskolepoäng

Programme code: S2ITL

Second cycle / Avancerad nivå

1. Confirmation

This programme syllabus was confirmed by the Faculty Board of Education on 04-10-2018 (G 2018/576) to be valid from 02-09-2019, Autumn semester 2019.

Responsible Department/equivalent: Department of Education, Communication and Learning

Participating Departments:
Department of Applied Information Technology

2. Purpose

The aim of the programme is to prepare the student for analysis, development and research concerning the use of information technologies for learning and education in organisations, companies and educational institutions. In order to achieve this, the programme provides; theoretical tools and perspectives for analysing learning and communication with digital tools, practical traning in methods for analysis, design and academic research on learning and communication in digital environments, experiences of collaborative project work, and the use of digital presentation formats.

3. Entry requirements

To be admitted to the programme, the following is required:
A Bachelor's degree with a minimum of 180 higher education credits or an equivalent degree. Furthermore, the student must demonstrate proficiency in English equivalent to English 6 (Swedish upper secondary level) or English B with at least a pass or through an internationally recognized English test, minimum results required: IELTS 6.5, no band below 5.5 or TOEFL paper-based 575 TWE 4.5 or above, computer-based: 213 Essay writing 4, internet-based: 90

TWE score 20 or Oxford/Cambridge: Certificate in Advanced English, Certificate of Proficiency, Diploma of English Studies. Alternatively a Bachelor's degree from an education offered in English.

Students will be admitted to the programme in its entirety. Requirements for examinations are specified in each course syllabus respectively.

4. Higher education qualification and main field of study

This programme leads to a Degree of Master of Science (120 credits) with a major in Applied Information Technology with Specialization in Learning and Communication (Filosofie masterexamen med huvudområdet Tillämpad informationsteknologi med inriktning mot lärande och kommunikation).
This programme leads to a Degree of Master of Science (120 credits) with a major in Education with Specialization in Learning, Communication and Information Technology (Filosofie masterexamen med huvudområdet Pedagogik med inriktning mot lärande, kommunikation och informationsteknologi).

5. Outcomes

Second-cycle study programmes shall involve the acquisition of specialist knowledge, competence and skills in relation to first-cycle courses and study programmes, and in addition to the requirements for first-cycle courses and study programmes shall:

- further develop the ability of students to integrate and make autonomous use of their knowledge,
- develop the students' ability to deal with complex phenomena, issues and situations, and
- develop the students' potential for professional activities that demand considerable autonomy, or for research and development work.

General outcomes for Degree of Master (120 credits)

Knowledge and understanding

For a Degree of Master (120 credits) the student shall

- demonstrate knowledge and understanding in the main field of study, including both broad knowledge of the field and a considerable degree of specialised knowledge in certain areas of the field as well as insight into current research and development work, and
- demonstrate specialised methodological knowledge in the main field of study.

Competence and skills

For a Degree of Master (120 credits) the student shall

- demonstrate the ability to critically and systematically integrate knowledge and analyse, assess and deal with complex phenomena, issues and situations even with limited information
- demonstrate the ability to identify and formulate issues critically, autonomously and

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creatively as well as to plan and, using appropriate methods, undertake advanced tasks within predetermined time frames and so contribute to the formation of knowledge as well as the ability to evaluate this work

- demonstrate the ability in speech and writing both nationally and internationally to clearly report and discuss his or her conclusions and the knowledge and arguments on which they are based in dialogue with different audiences, and
- demonstrate the skills required for participation in research and development work or autonomous employment in some other qualified capacity.

Judgement and approach

For a Degree of Master (120 credits) the student shall

- demonstrate the ability to make assessments in the main field of study informed by relevant disciplinary, social and ethical issues and also to demonstrate awareness of ethical aspects of research and development work
- demonstrate insight into the possibilities and limitations of research, its role in society and the responsibility of the individual for how it is used, and
- demonstrate the ability to identify the personal need for further knowledge and take responsibility for his or her ongoing learning.

Local outcomes

The programme also has the following local outcomes:

Competence and skills

- demonstrate ability to analyse the relationship between the historical development of information technologies and the changing premises for communication and learning
- describe and conceptualise how knowledge and learning is organised in institutions, working life and society based on current research and relevant theoretical approaches

Judgement and approach

- critically investigate, analyse and discuss the interaction between users and information technologies in institutions, working life and society
- evaluate and adapt the design of digital environments for communication and learning in institutions, working life and society

6. Content and structure

The International Master's Programme in Information Technology and Learning is accomplished in close collaboration with strong multidisciplinary research environments within the field of Learning, communication and IT at the University of Gothenburg. This guarantees that students have possibilities to be informed of the state-of-the-art within this research field. The programme has a focus on applications and addresses challenges for learning and education in organisations, companies and educational institutions. After the programme students can work with design and development concerning information technologies for learning and communication in organisations, companies and educational institutions.

The International Master's Programme in Information Technology and Learning is organised as two years of full time studies (120 higher education credits). The programme concludes with a Master's thesis (30 higher education credits).

The courses constitute the main fields of study respectively (60 higher education credits) as follows:
Education with Specialization in Learning, Communication and Information Technology:

- Technology, knowledge and learning: An introduction, 15 HEC
- Literacies in a Digital World, 15 HEC
- Master's Thesis in IT and Learning, 30 HEC (Individual thesis in the main field of study)

Applied Information Technology with Specialization in Learning and Communication:

- Applied Research Methods and Design for Information Technologies and Learning, 15 HEC
- Digital tools for communication and learning, 15 HEC
- Thesis in learning, communication and information technology, 30 HEC (Individual thesis in the main field of study)

The programme is divided into seven separate courses of which five are compulsory and two are optional. Each course comprises 15 - 30 higher education credits.
Year 1:

- Technology, knowledge and learning: An introduction, 15 HEC
- Literacies in a Digital World, 15 HEC
- Applied Research Methods and Design for Information Technologies and Learning, 15 HEC
- Digital tools for communication and learning, 15 HEC

Year 2:

- Optional course, 15HEC (alternatively 7.5 + 7.5 HEC)
- Optional course, 15HEC (alternatively 7.5 + 7.5 HEC)
- Master's Thesis in IT and Learning, 30 HEC (Individual thesis in one of the two main fields of study, student's option)

7. Guaranteed admission

Student enrolled in the programme is guaranteed a place in the programme courses. First choice of optional courses offered by the Department of Education, Communication and Learning and the Department of Applied Information Technology can however not be guaranteed.

8. Other information

Accreditation of previous studies: Possibilities regarding the accreditation of previous studies as part of the International Master's Programme in Information Technology and Learning is decided by the Department of Education, Communication and Learning.

The study programme will be followed up and evaluated in accordance with the applicable *Policy för kvalitetssäkring och kvalitetsutveckling av utbildning vid Göteborgs universitet* (Policy

for the Quality assurance and Quality Development of Education at the University of Gothenburg).

Evaluation is part of the courses each term within the whole programme and will function as a guide for the on-going courses as well as for the development of future courses. In connection with the final Master thesis, the entire programme will be evaluated and results discussed with the students. The results of the evaluations will be communicated to the students in the course as well as to prospective students who will attend the next course.

The language of instruction is English.