



DEPARTMENT OF APPLIED INFORMATION TECHNOLOGY

TIA019 Master Thesis in Informatics, 30 credits

Masteruppsats i informatik, 30 högskolepoäng

Second Cycle

Confirmation

This course syllabus was confirmed by Department of Applied Information Technology on 2012-11-21 and was last revised on 2023-05-29 to be valid from 2023-06-01, spring semester of 2024.

Field of education: Science 100%

Department: Department of Applied Information Technology

Position in the educational system

The course is a compulsory course in the programme specified below.

The course can be part of the following programme: 1) Digital Leadership Master's Programme (N2DIG)

Main field of studies

Informatics

Specialization

A2E, Second cycle, contains degree project for Master of Arts/Master of Science (120 credits)

Entry requirements

60 credits in the field of Informatics from the second cycle, including the course TIA308 Project Work II, 7,5 credits.

Learning outcomes

On successful completion of the course the student will be able to:

Knowledge and understanding

- identify a relevant and current topic in the field of Informatics;

- choose appropriate scientific approaches in relation to a specific topic;

Competence and skills

- formulate relevant questions in relation to a specific topic in the field of Informatics;
- independently design and carry out a scientifically well-founded study that contributes to the development of knowledge in the field of Informatics;
- give an oral and written account of and discuss a scientific study's conclusions, as well as the knowledge and arguments underlying them;

Judgement and approach

- critically and independently analyse and evaluate results of studies in the field of Informatics;
- critically assess and account for relevant scientific, social and ethical aspects related to topics in the field of Informatics.

Course content

The course gives the student the opportunity to practice a scientific approach to relevant issues in the field of Informatics. The course includes motivating and arguing for a current topic as well as for an appropriate scientific approach, identifying and formulating relevant research questions, designing and implementing a scientifically well-founded study, giving an oral and written account of and discussing the conclusions of the study as well as the knowledge and arguments that underlie the conclusions. Furthermore, the course comprises critically assessing and explaining relevant scientific, social and ethical aspects of the study, as well as evaluating the results of the study. The course includes planning the study, writing and defending it, as well as discussing another student's degree project at advanced level in the subject of Informatics.

Form of teaching

The students work on a Master's thesis in pairs. Individual work or groups of maximum 3 persons are allowed in exceptional cases. During the course the students get supervision from a designated supervisor. The department assigns one supervisor for each Master's thesis.

Language of instruction: English

Assessment

The examination of the course is divided into two parts. The first part entails the writing of a planning report and the participation in an associated compulsory examination seminar. The supervisor assists the examiner in the assessment of the first

part of the examination.

The second part includes the writing of a Master's thesis, defense of this as well as discussing another student's thesis work at a mandatory examination seminar. The examiner is assisted by a group of teachers in the assessment of the second part.

A student who has taken two exams in a course or part of a course without obtaining a pass grade is entitled to the nomination of another examiner. The student needs to contact the department for a new examiner, preferably in writing, and this should be approved by the department unless there are special reasons to the contrary (Chapter 6 Section 22 of the Higher Education Ordinance).

If a student has received a recommendation from the University of Gothenburg for special educational support, where it is compatible with the learning outcomes of the course and provided that no unreasonable resources are required, the examiner may decide to allow the student to sit an adjusted exam or alternative form of assessment.

In the event that a course has ceased or undergone major changes, students are to be guaranteed at least three examination sessions (including the ordinary examination session) over a period of at least one year, but no more than two years, after the course has ceased/been changed. The same applies to placements and professional placements (VFU), although this is restricted to just one additional examination session.

Grades

The grading scale comprises: Pass with Distinction (VG), Pass (G) and Fail (U).

The planning report is given either Pass (G) or Fail (U). Master's thesis, defense and discussion is given either Pass with Distinction (VG), Pass (G) or Fail (U).

To obtain the grade Pass (G) for the whole course, the student must have obtained a Pass (G) grade on the planning report and the grade Pass (G) on the Master's thesis, defense and discussion. In order to obtain the grade Pass with Distinction (VG) for the whole course, the student must get a Pass with Distinction (VG) for the Master's thesis, and a Pass (G) grad on the other parts of the examination.

Course evaluation

After completion of the course the students are to be given the possibility of participating in an electronic course evaluation. The result and any changes to the course will be communicated to the students who carried out the evaluation and to the students who are to start the course.