UNIVERSITY OF SKÖVDE

TRANSLATION FROM SWEDISH

COURSE SYLLABUS

Master Degree Project in Informatics A1E

22.5 credits

Course code: IT738A
Version number: 8
Valid from: 1 January 2019
Ratified by: Curriculum Committee for Informatics
Date of ratification: 8 March 2018

1. General information about the course

The course is provided by the University of Skövde and is named Master Degree Project in Informatics A1E (Examensarbete i informationsteknologi A1E). It comprises 22.5 credits and is a second-cycle course. The level of progression is A1E.

The course is a part of the main field of study in Informatics. The disciplinary domain of the course is Technology.

2. Entry requirements

Passed courses of at least 22,5 credits at advanced level in the subject of Informatics, which includes at least 7,5 credits that deepen knowledge in research methods in the subject of Informatics. In addition, English B (or equivalent).

3. Course content

The thesis content shall deal with applications in the field of Informatics. The thesis should be a natural completion of the study programme and provides opportunity to apply acquired theoretical and practical knowledge within a project of significant size. The degree project can be carried out in cooperation with an external organization and serve as a link to industry.

The work shall be carried out in connection with research conducted in Informatics at the University of Skövde.

Problem Description and Method 7,5 credits

This part of the thesis includes a discussion of the research problem and why the problem is considered important. Previous research and development related to the problem shall be presented. Relevant methods shall be reported and discussed.

Complete Thesis, 15 credits

This part ofthe master degree projectexaminesthe complete thesis preparedby the student, including presentation and defense.

4. Objectives

After completed course the student should be able to:

- identify, formulate, argue for and solve/answer a research problem within the subject area;
- choose, argue for and apply a suitable scientific method to solve the research problem;
- explain and apply research ethical principles;
- reflect on the result in relation to the chosen problem or issue and position the result in a larger context, including both scientific, ethical, and societal aspects;
- communicatehis/her researchorally and in writing; and
- evaluate and critically assess scientific publications within the field of research.

5. Examination

The course is graded A (Excellent), B (Very good), C (Good), D (Satisfactory), E (Sufficient) or F (Fail).

The examinations of the course consist of the following modes of assessment:

- **Problem description and method**
  7.5 credits, grades: G/U
- **Complete Thesis**
  15 credits, grades: A/B/C/D/E/F (determines the final grade)

Students with a permanent disability who have been approved for directed educational support may be offered adapted modes of assessment.

6. Types of instruction and language of instruction

Teaching is primarily conducted as independent work with individual supervision.

Tutoring for completion of degree project after the course is finished is normally not allowed. Any further tutoring is decided by the School of Informatics and is granted only until the second semester after the course is finished. Established additional tutoring shall be planned together with the examiner.

The teaching is conducted in English.

7. Course literature and other educational materials

Berndtsson, M. et. al. (2007). *Thesis Projects: A Guide for Students in Computer Science and Information Systems*. London: Springer-Verlag London Ltd. ISBN 9781848000087. or

Dawson, C. W. (2009). *Projects in Computing and Information Systems: A Student's Guide*. Harlow: Addison-Wesley Professional. ISBN 0273721313.

Additional course literature is identified by the student and selected in consultation with the supervisor.

8. Student influence

Student influence in the course is ensured by means of course evaluation. The students are informed about the results of the evaluation and potential measures that have been taken or are planned, based on the course evaluation.

9. Additional information

Further information about the course, as well as national and local governing documents for higher education, is available on the website of the University of Skövde.