



## Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1DV40E Examensarbete inom datavetenskap, 15 högskolepoäng

1DV40E Diploma Thesis in Computer Science, 15 credits

### **Main field of study**

Computer Science

### **Subject Group**

Informatics/Computer and Systems Sciences

### **Level of classification**

First Level

### **Progression**

G1E

### **Date of Ratification**

Approved 2009-06-23

Revised 2010-08-20 by School of Computer Science, Physics and Mathematics.

Revision made for English translation of the syllabus and course evaluation.

The course syllabus is valid from spring semester 2011

### **Prerequisites**

At least 75 credits within the field of computer science/Computer Engineering or equivalent.

## Objectives

After the thesis, the student should be able to:

- use their knowledge acquired while studying to solve a prescribed task related to the field of study.
- obtain knowledge and understanding to plan, implement and present their work, in groups or independently.
- obtain knowledge and understanding, supported by textbooks / manuals with perspectives drawn from research in the field of knowledge.
- assimilate the contents of the relevant literature in the field and put their work in this context
- collect and interpret relevant data
- analyze the results of their work
- express themselves orally and in writing in a professional manner
- critically examine and discuss one in speech and writing presented thesis

- have developed those skills needed to study further on a more independent level.

## Content

Independent work including theoretical and experimental work, with accompanying report writing.

## Type of Instruction

The work is conducted as an independent project with literature studies and fact finding.

Supervisor is appointed by both the department and, where appropriate, from participating companies.

Students will oppose each other's thesis and should be able to defend their own work before the examiner and supervisor.

In which language the thesis is presented (oral and written) is determined by examiner in conjunction with the supervisor.

## Examination

The course is assessed with the grades Fail (U) or Pass (G).

To pass the course the student is required to have:

- participated in at least two second degree work presentations
- completed their thesis in a positive way
- presented the thesis in a written report that follows the specified report template
- conducted an oral presentation
- publicly discuss and examine another thesis.

Grades are given for the thesis work presented orally and in writing.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Re examination is offered under the regular semester periods. The number of examinations are limited to five times.

## Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

## Required Reading and Additional Study Material

Necessary literature is chosen by the student in consultation with the supervisor.