



DD144X Degree Project in Computer Science, First Cycle 15.0 credits

Examensarbete inom datalogi, grundnivå

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for DD144X valid from Autumn 2011

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

The following is required to start the thesis work:

- at least 120 credits, including the following,
- at least 30 hp courses in mathematics/numerical analysis,

- at least 40 credits with increasingly in-depth studies in Computer Science and Engineering,
- prerequisites enough to carry out the project.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

- Apply skills and knowledge acquired as part of the computer science engineering program on a given problem
- Independently analyze and discuss relevant issues and solve substantial problems in the computer science area
- Apply standard methods of practice in industry, administration and academic environments regarding planning, conducting, reporting and evaluating independent design and investigation projects,
- Reflect on, evaluate, and critically examine own and others scientific results
- Document and present the work, orally and in writing, with demands on structure, content, presentation, formal content, style, and writing
- Identify own need of information gathering and independently acquire the knowledge and skills needed to solve the problem
- Independently plan and conduct a design or investigation in the computer science area
- Independently collect and systematize requirements and expectations on the project deliverables, and assess the reasonableness of these in light of available time and resources.

Course contents

The thesis work should study a problem of interest to computer science. In order for the task to be suitable there has to be interesting questions from the field to investigate

Disposition

The focus of the work should be on investigation and analysis.

The work includes writing a careful specification and schedule for the task, and seeking and reading literature relevant to the thesis. The scope of the work has to be large enough to correspond to half-time study during a semester.

The work will be presented in a written report and an oral presentation. Mandatory tutoring sessions may occur.

The thesis work can be carried out individually or together with another student.

Course literature

Bestäms individuellt.

Examination

- XUPP - Task, 15.0 credits, grading scale: A, B, C, D, E, FX, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Other requirements for final grade

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: http://www.kth.se/csc/student/heder-skodex/1.17237?l=en_UK.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.