DD245X Degree Project in Computer Science, Second Cycle 15.0 credits

Examensarbete inom datalogi, avancerad nivå

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 DD245X valid from Autumn 2009

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering,Information Technology,Information and Communication Technology

Specific prerequisites

Completed 15 of the ECTS credits in the program.

Language of instruction

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

Intended learning outcomes

After passing the degree project course, you will be able to

- apply standard methods of practice in industry, administration and academic environments regarding planning, conducting, reporting and evaluating larger independent design and investigation projects,
- independently plan, conduct, report (orally and in writing), a design or investigation in the computer science area that is important for a problem-owner in industry, administration or academy, and motivate conclusions and design choices,
- collect and systematize requirements and expectations on the project deliverables, and asses the reasonableness of these in light of available time and resources,
- find, obtain, evaluate and compile information relevant for the project realization,
- select a course of action and prepare, follow and adapt a plan for the project,
- write reports in Swedish or English complying to established standards of design, language, style and content,
- orally report project results with requirements on preparation, content, style and time used,
- improve knowledge and skills in an area of computer science.

Course contents

The degree project must treat a problem within computer science. The problem must focus on questions from the field of computer science that are of interest to investigate and analyze. Projects often result in a prototype but very seldom in a finished product.

A detailed specification and a time schedule for the project must be made. A search for relevant literature in the field must be conducted and relevant literature must be studied as a foundation for the work. The work is presented in a written report and in an oral presentation.

Course literature

Decided individually.

Examination

- XUPP - Examination Question, 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.

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/hederskodex/1.17237?l=en_UK.

Other requirements for final grade

Project (XUPP; 15 hp).

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.