DD143X 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.

Establishment

Course syllabus for DD143X valid from Spring 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

The course DD1365 Software Engineering is a compulsory prerequisite and should be taken during the same academic year.

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 asses the reasonableness of these in light of available time and resources.

Course contents

Formal lectures concern methodologies and techniques for the execution of software development projects using the waterfall and other lifecycle models. These lectures support the software engineering project work.

Disposition

The degree project work consists of two parts: (i) a software engineering project, and (ii) a bachelors degree project on a topic in computer science.
The software engineering project must be executed in a group, and concerns the execution of a software development project previously planned in the course DD1365 Software engineering. The bachelors degree project addresses a problem in the computer science area and is executed individually or in pairs.

Course literature

Kurslitteraturen kommer att annonseras senast 4 veckor före kurstart på kursens hemsida.

Examination

- PRO1 - Software Engineering Project, 9.0 credits, grading scale: A, B, C, D, E, FX, F
- UPP1 - Bachelor´s Essay, 6.0 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.

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

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

PRO1, 9hp, Software engineering project and UPP1, 6hp, Bachelor's essay.

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.