DD142X 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 DD142X valid from Spring 2019

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

At least 101 credits of the compulsory courses in school year 1, 2 and period 1 in school year 3 should be completed latest 1/11

Language of instruction

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

Intended learning outcomes

The student should, on completion of the course, be able to

- apply skills and knowledge acquired within the computer science and engineering programme on a given problem

- independently identify, formulate and analyse larger problems within computer science

- identify own needs for information and independently acquire the knowledge and skills that are needed to solve the problem

- justify his or her choice of method based on the question of issue and expected results

- reflect on, evaluate and critically discuss own and others' results

- document and present the work orally and in writing, with requirements of structure, contents, presentation, formal contents, style and writing

- plan the work considering requirements of time and other resources.

Course contents

The students carry out an individual assignment, where they should formulate a question of issue that

can be studied with methods from computer science. They should independently choose method and carry out the study.

The results are reported both in a written report and at an oral presentation.

Disposition

The students work in groups of two and are assigned a supervisor that functions as mentor during the whole course.

Regular seminars with the supervisor's groups are organised, where the student groups present how the project advances.

The course is concluded with a conference where all student groups present their results.

Course literature

Material is provided during the course.

The students are expected to search supplementary literature via the library.

Examination

• XUPP - Exam Project, 15.0 credits, grading scale: P, 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.

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.