DA150X Degree Project in Computer Science and Engineering, First Cycle 15.0 credits

Examensarbete inom datateknik, grundnivå

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

Establishment

On 2020-10-13, the Head of School of EECS has decided to establish this official course syllabus to apply from the spring semester 2021 (registration number J-2020-2220).

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

At least 102 higher education credits from courses in the programme syllabus up to period 1 in year 3 must be completed, latest at the start of period 2, in order for the student to be allowed to start the degree project.
Furthermore, courses in each of the following fields must be completed:

- Programming equivalent to
  DD1337/DD1310/DD1311/DD1312/DD1314/DD1315/DD1316/DD1318/DD1331/DD100N/ID1018.
- Algorithms and data structures equivalent to
  DD1338/DD1320/DD1321/DD1325/DD1327/ID1020.
- Writing in the engineering profession equivalent to DA1600.
- Sustainable development equivalent to AL1504.
- Larger project work in groups equivalent to DD1369/DD1393.

Active participation in a course offering where the final examination is not yet reported in LADOK is considered equivalent to completion of the course.

Registering for a course is counted as active participation.

The term 'final examination' encompasses both the regular examination and the first re-examination.

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, the student should 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 in computer science
- identify own information needs 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 on 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 independent project where they independently should formulate an 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.

Examination

• PRO1 - 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.

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

Active participation in a course offering where the final examination is not yet reported in LADOK is considered equivalent to completion of the course.

Registering for a course is counted as active participation.

The term 'final examination' encompasses both the regular examination and the first re-examination.

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.