DA152X Degree Project in Computer Science and Industrial Management, first level 15.0 credits

Examensarbete i datateknik och industriell ekonomi

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

On 2021-10-14, the Head of the EECS School has decided to establish this official course syllabus to apply from spring semester 2022, registration number J-2021-1796.

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Technology

Specific prerequisites

In addition to the KTH general requirements for 120 completed credits from the programme syllabus of the programme for year 1-3, courses in fields corresponding to the following courses should be completed:

- Programming and computer science fundamentals, equivalent to DD1320 Applied computer science
- Planning and implementation of project work, equivalent to ME1306 Industrial project management for I
- Fundamentals in Industrial Engineering and Management, corresponding to ME1314 Introduction to Industrial Engineering and Management
- Sustainable development and social aspects, equivalent to ME1314 Introduction to Industrial Engineering and Management
- Planning, implementation and evaluation of computer science studies in user interaction, equivalent to DH1620 Human-Computer Interaction, introductory course

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:

- independently apply proficiencies and knowledge to identify, formulate and analyse problems in the intersection between computer science and industrial engineering and organisation
- identify one's 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 at hand, and expected results
- reflect on, evaluate and critically discuss one's 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 for which they should formulate an issue that can be studied with methods from the computer science and a related issue that is studied with methods from industrial engineering. They should independently choose method and carry out the study.

The results are to be reported both in a written report and at an oral presentation. The students should also review and discuss other students' work orally and in writing.

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.

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.