DD1391 Programme Integrating Course in Computer Science Engineering 4.0 credits

Programsammanhållande kurs i datateknik

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 2019-10-15, the Head of School of EECS has decided to establish this official course syllabus to apply from the spring semester 2020 (registration number J-2019-2088).

Grading scale

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

Education cycle

First cycle

Main field of study

Computer Science and Engineering,Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Having passed the course, the student shall be able to:

- use academic calendars, course syllabuses, intended learning outcomes and grading criteria to plan their studies on both short and long view

- plan and carry out assignments in stipulated time

- make well justified specialisation and course choices

- review critically and reflect on both the set-up and implementation of the education as well as their own study achievements

- reflect on different themes relevant for the education and the professional role, such as study technique and progression in subject knowledge and general skills

- identify their need for additional knowledge and continuously develop their competence

- analyse and take position to social consequences of computer science applications

- account for some important events in the history of the computer and computer science

- formulate a relevant issue to a historical material

- carry out a limited history of computer science study and present it orally and in writing

in order to

- obtain an overall picture of the education and thereby better understanding of the importance of each individual course

- make informed choices both during the education and thereafter

- influence the development of the program.

Course contents

- How do course syllabuses, intended learning outcomes, grading criteria, and examination work at KTH?

- Programme objectives, general skills, the main thread of the programme, lifelong learning.

- Minorities and equality, ergonomics and mental health, internationalisation, the professional role.

- The structure of the Computer Science and Engineering programme, possible choices, Master's (120 credits) programmes, mentoring, employability.

- Evaluation of the programme, quality development, student influence.

- Study experience, plagiarism and own responsibility, procrastination, self-reflection - what do I want with my education?

- Participation in research studies.

- History of computer science and the computer in the social progress (given by the Division of History of Science, Technology and Environment in year 2).

Examination

- SEM2 - Seminars, assignments and project, 3.0 credits, grading scale: P, F
- SEM3 - Seminars and assignments, 1.0 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.

The final grade of the course is given by diligence points that are distributed at the activities in the course.

Other requirements for final grade

Active participation in all compulsory activities, passed reflection documents and history of computer science project report.

Transitional regulations

The examination components UPP2 and UPP3, that were used up to autumn semester 2018, correspond to the new components SEM2 and SEM3 respectively, and can when necessary be replaced by these.

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.