DD2464 Bigger Advanced, Individual Course in Computer Science 9.0 credits

Större avancerad individuell kurs i datalogi

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

Establishment

The official course syllabus is valid from the autumn semester 2023 in accordance with the decision by the Head of School: J-2023-0949.Date of decision: 03/04/2023

Grading scale

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

Education cycle

Second cycle

Main field of study

Computer Science and Engineering, Information Technology, Information and Communication Technology

Specific prerequisites

Knowledge and skills in programming, 6 credits, equivalent to completed course DD1337/DD1310-DD1319/DD1321/DD1331/DD100N/ID1018.

Knowledge in basic computer science, 6 credits, equivalent to completed course DD1338/DD1320-DD1328/DD2325/ID1020/ID1021.

Knowledge in discrete mathematics, 6 higher education credits, equivalent to completed course SF1610/SF1630/SF1662/SF1679/SF1688.

Language of instruction

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

Intended learning outcomes

After passing the course, the student should be able to

- independently plan, carry out, report and defend a design- or investigative assignment in the computer science field
- acquire and evaluate information applicable for carrying out the task
- choose a course of approach and define, follow and follow up a plan for carrying out the task in a given resource budget,
- write legible reports in English or Swedish that satisfy established norms as to structure, language and contents
- orally report a work with certain requirements of preparation, structure, style and time
- show increased knowledge and skills in a computer science problem area.

Course contents

The course gives a possibility to students with a special interest in computer science to specialise in their own area of interest and solve a design- or investigative assignment in computer science with limited supervision. Both course content and assessment are designed individually for each student. The student should contact the person responsible for their specialization or other teacher, and thereafter contact the course coordinator. The course can only be offered if the department has enough resources and skills in the current field.

No instruction is given in this course.

Examination

- ÖVN1 - Exercises, 9.0 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.

Other requirements for final grade

Since this is an individually designed course, the examination formats vary. Written reporting in the form of a simple report can often be appropriate. The course is reported as Exercises (ÖVN1; 9 higher education credits).

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.