DD1337 Programming 7.0 credits

Programmering

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 DD1337 valid from Autumn 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

On completion of the course, course participant should be able to

- use common computer tools, especially the computer environment at D,

- design and implement simple sequential programs

- use programming to solve problems,

in order to be able to

- find and use correct programming techniques for a given problem,

- take advanced courses within computer science and numerical analysis.

Course contents

Operating systems, especially Unix, the computer system of the school, the hardware of a computer, and text editing. Theory and practical exercises concerning all aspects of basic programming and software development. The programming language Java is used. Simple data structures such as lists and stacks.

Course literature

Will be announced no later than 4 weeks before the start of the course on the course web.

Examination

- HEM1 - Assignment, 5.5 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory, 1.5 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.

Other requirements for final grade

LAB1 - Laboratory sessions, 1.5 hp, grading scale: P, F

HEM1 - Home assignment, 5.5 hp, grading scale: A, B, C, D, E, FX, F

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.