



DD1332 Object Oriented Programming 7.5 credits

Objektorienterad programmering

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

Establishment

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

For single course students: completed upper secondary education including documented proficiency in Swedish corresponding to Swedish B, English corresponding to English A. For students who received/will receive their final school grades after 31 December 2009, there is an additional entry requirement for mathematics as follows: documented proficiency in mathematics corresponding to Mathematics A. Furthermore: 7,5 hp in mathematics and 6 hp in computer science or programming techniques.

Language of instruction

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

Intended learning outcomes

After the course you are supposed to know how to:

- explain and use object oriented concepts,
- put fundamentals of eXtreme programming into practice,
- use fundamentals of UML,
- develop large object oriented program using Java,
- given a problem decide which method for searching, sorting or storing to use,

so that you will be able to manage their own project, modelling and implementation inclusive, in working life.

Course contents

Programming language Java.Object oriented analysis and modelling using UML.Systematic program development, extreme programming.Laboratory.

Course literature

Winder, Roberts: Developing Java Software, third edition.

Examination

- TEN1 - Examination, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 3.0 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.

In this course all the regulations of the code of honor at the School of Computer science and Communication apply, see: http://www.kth.se/csc/student/heder-skodex/1.17237?l=en_UK.

Other requirements for final grade

Examination: 4,5 hp, grade A-F
Laboratory: 3 hp, no grade

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.