



DD1332 Object Oriented Programming 7.5 credits

Objektorienterad 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 DD1332 valid from Spring 2017

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

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 be expected you be able to:

- explain and use object-oriented concepts
- apply the basics of eXtreme programming
- use the basics of UML
- develop larger object-oriented programs in Java,
- in a given situation decide which method for searching, storing or sorting that should be used

so that you in the working life should be able to carry out object-oriented programming projects including both modelling and implementation.

Course contents

The programming language Java. Object-oriented analysis, modelling with UML. Systematic software development, extreme programming. Laboratory work.

Specific prerequisites

General entry requirements for the university as well as 7.5 credits in mathematics and 6 credits in computer science or programming technique. Knowledge in algorithms and data structures equivalent one of the courses DD1320, DD1321, DD1322, DD1325 or DN1243.

Course literature

Winder, Roberts: Developing Java Software, tredje upplagan.

Examination

- LAB1 - Laboratory Work, 3.0 credits, grading scale: P, F
- TEN1 - Examination, 4.5 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.

In this course, the code of honor of the school is applied, see: <http://www.kth.se/en/csc/utbildning/hederskodex>

Other requirements for final grade

Exam: 4.5 credits, grades A-F Laboratory work: 3 credits, 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.