DD1346 Object-Oriented Program Construction 6.0 credits

Objektorienterad programkonstruktion

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

Establishment

Course syllabus for DD1346 valid from Autumn 2011

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

After the course the student should be able to

- explain and use object oriented concept
- use object oriented principles in programming
- draw UML class diagrams to plan and document programming work
- interpret UML class diagrams
- describe some common design patterns and recognize situations where they should be applied
- develop object oriented programs in Java
- use Java's library classes and frameworks.

Course contents

Programming in Java including library usage, modeling with UML, principles for object oriented design, design patterns.
Lab work in Java, UML tasks.

Course literature

Will be announced at least 4 weeks before course start at course web page.

Examination

- LAB2 - Laboratory Assignments, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Assignments, 2.0 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.

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/hederskodex/1.17237?l=en_UK.

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.