



# IV1350 Object Oriented Design

## 7.5 credits

### Objektorienterad design

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

On 2019-10-15, the Head of School of EECS has decided to establish this official course syllabus to apply from the spring semester 2020 (registration number J-2019-0558).

### Grading scale

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

### Education cycle

First cycle

### Main field of study

Technology

### Specific prerequisites

Basic knowledge in object-oriented programming, corresponding to the course ID1018 Programming I.

### 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 shall be able to

- develop an object-oriented programme by applying established guidelines for object-oriented architecture, design and programming
- discuss the quality of a programme and then refer to established guidelines for object-oriented architecture, design and programming
- interpret and clarify a given specification by applying established guidelines for analysis.

## Course contents

Examples of fields that are treated:

- Object-oriented design and design pattern
- Architecture and architectural patterns
- Guidelines for object-oriented programming for example refactoring and unit testing
- UML (Unified Modeling Language)
- Object-oriented analysis

## Examination

- LABA - Laboratory work, 4.5 credits, grading scale: P, F
- TEN1 - Examination, 3.0 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.

## Transitional regulations

The module LAB1 can be replaced by the module LABA

## 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.

