

# Project: Object Oriented System

Programme course

6 credits

Projekt: Objektorienterat system

TDP005

Valid from: 2017 Spring semester

**Determined by**

Board of Studies for Computer Science  
and Media Technology

**Date determined**

2017-01-25

## Main field of study

Programming

## Course level

First cycle

## Advancement level

G2F

## Course offered for

- Programming, Bachelor's Programme

## Entry requirements

Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

## Prerequisites

Prerequisites: (valid for students admitted to programmes within which the course is offered)

## Intended learning outcomes

After the course the student will be able to:

- use an object oriented programming language and its libraries
- construct a non-trivial program according to the object oriented methodology
- design a computer program
- improve a computer program by arranging and participating in code review meetings

## Course content

Craft: Application of constructs in an object oriented language (C++) in a suitable way. Experience of using tools in program implementation. Code design. Experience of project phases: design, implementation, testing, documentation.

## Teaching and working methods

The course follows the general model for IP projects. The project work will be conducted in groups of two students.

## Examination

PRA1                  Project                  6 credits                  U, 3, 4, 5

Final grade is set as a composite grade based on document handins and program demonstration.

## Grades

Four-grade scale, LiU, U, 3, 4, 5

## Department

Institutionen för datavetenskap

## Director of Studies or equivalent

Ahmed Rezine

## Examiner

Klas Arvidsson

## Education components

Preliminary scheduled hours: 22 h

Recommended self-study hours: 138 h

## Common rules

Regulations (apply to LiU in its entirety)

The university is a government agency whose operations are regulated by legislation and ordinances, which include the Higher Education Act and the Higher Education Ordinance. In addition to legislation and ordinances, operations are subject to several policy documents. The Linköping University rule book collects currently valid decisions of a regulatory nature taken by the university board, the vice-chancellor and faculty/department boards.

LiU's rule book for education at first-cycle and second-cycle levels is available at [http://stydokument.liu.se/Regelsamling/Innehall/Utbildning\\_pa\\_grund-\\_och\\_avancerad\\_niva](http://stydokument.liu.se/Regelsamling/Innehall/Utbildning_pa_grund-_och_avancerad_niva).