Linnæus University

Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

1DV508 Projekt i datalogi, 7,5 högskolepoäng
1DV508 Project Course in Computer Science, 7.5 credits

Main field of study
Computer Science

Subject Group
Informatics/Computer and Systems Sciences

Level of classification
First Level

Progression
G1F

Date of Ratification
Approved 2015-05-22
Revised 2023-06-19 by Faculty of Technology. Prerequisites and Credit Overlap are revised.
The course syllabus is valid from spring semester 2024

Prerequisites
Introduction to Programming (1DV501), 7.5 credits and Object Oriented Programming (1DV502) or equivalent.

Objectives

The course gives knowledge and practice on how to plan and execute a software development project in a group. After completing the course the student is expected to:
Knowledge and understanding:

- understand and describe the issues associated with software development projects
- understand and describe fundamental software development activities

Ability and skill:

- plan and execute a development project.

Evaluation and approach:

- reflect and give constructive feedback on projects presented by peers.

Content
The course introduces students to software development. It starts with lectures describing the software development process and tools to support it. The rest of the time is for project work with weekly meetings with a teacher.
The course covers:

- an introduction to software development projects
- an introduction to principles of development project
- problem solving in teams with applications from computer science
- oral and written presentations.

Type of Instruction
Teaching consists of lectures, seminars and practicals. Practicals are carried out in groups. Attendance at some activities may be mandatory.

Examination
The course is assessed with the grades A, B, C, D, E, Fx or F.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

Grades are given after the completion of the course and based on the results of the project. The project is judged based on quality, scope, and degree of difficulty. The examination is based on the students individual performance as well as the performance within the project team.

Repeat examination is offered in accordance with Local regulations for courses and examination at the first and second-cycle level at Linnaeus University.

If the university has decided that a student is entitled to special pedagogical support due to a disability, the examiner has the right to give a customised exam or to have the student conduct the exam in an alternative way.

Course Evaluation
During the implementation of the course or in close conjunction with the course, a course evaluation is to be carried out. Results and analysis of the course evaluation are to be promptly presented as feedback to the students who have completed the course. Students who participate during the next course instance receive feedback at the start of the course. The course evaluation is to be carried out anonymously.

Other
Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

Required Reading and Additional Study Material
Required reading
FTK, *Distributed material*. Pages 100.