



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

4DV103 Programutveckling - projekt, 7,5 högskolepoäng
Software Technology Project, 7.5 credits

Main field of study

Computer Science

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

Second Level

Progression

A1F

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-09-08

Revised 2012-06-08. Objectives and content are revised.

The course syllabus is valid from autumn semester 2012

Prerequisites

90 credits in Computer Science or equivalent.

Objectives

Upon completion of the course, the student should be able to:

- describe modern, agile, development models
- describe the concept of quality in the context of object-oriented system design
- design and develop software systems using modern development models.

Content

This is a practical programming course. The goal is to design software using modern, agile, development models. The actual task changes from one year to another.

The course covers the following topics:

- Agile models
- Agile practices
- Project management
- Object-oriented design
- Software testing

Type of Instruction

Lectures, seminars and self studies.

The main part of the course is devoted to work in groups to jointly develop software using agile development processes and practices.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Written and practical assignments which are presented orally and/or in written form.

The assessment method will be decided at the start of the course.

On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

Course Evaluation

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required reading

Relevant literature will be selected, together with the supervisor and the examiner.