Linnæus University

Course syllabus

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

1DV100 Programvaruteknik, 7,5 högskolepoäng
Software Technology, 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 by Organisational Committee 2009-09-08

The course syllabus is valid from spring semester 2010

Prerequisites
Programming and Data Structures 7,5 higher education credits.

Expected learning outcomes

Upon completion of the course, students are able to:

- understand and describe the need for the importance of process models in software development
- understand and describe the need for the importance of development tools in software development
- describe and explain some process models
- select and apply a suitable process model for a given project
- select and apply suitable basic development tools for software development

Content

The course introduces students to software development projects:

- an introduction to the area software technology
- an introduction to software development processes
- a survey of basic software development tools for efficient software development
- basic problem solving in teams with applications from computer science
- oral and written presentations

Type of Instruction

Teaching consists of lectures, seminars and practical work. Practical work is carried out in groups or individual. Attendance at some activities is mandatory.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).
The examination consists individual and group assignments. 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 written course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The course evaluation will be filed at the department.

Required Reading and Additional Study Material

Required reading

DFM,*Distributed material* (articles and manuals). Pages 150.