



Course syllabus

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

1DV10U 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 the Board of the School of Computer Science, Physics and Mathematics
2011-06-10

The course syllabus is valid from spring semester 2012

Prerequisites

Programming and Data Structures, (1DV007) 7.5 credits or the equivalent.

Objectives

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
- have the ability to select and apply appropriate models and strategies for different types of problems
- select and apply suitable basic development tools for software development.

Content

The course includes:

- an introduction to the area software technology
- an introduction to software development processes
- a survey of basic software development tools for efficient software development
- work with practical problem solving, individually and in groups
- 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 of 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 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

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