



Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

1DV604 Iterativ mjukvaruutveckling, 7,5 högskolepoäng

Iterative Software Development, 7.5 credits

Main field of study

Computer Science

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1N

Date of Ratification

Approved by Faculty of Technology 2014-10-03

The course syllabus is valid from autumn semester 2015

Prerequisites

NO VALUE DEFINED

Objectives

The goal of the course is to provide insight into an iterative development process for software and provide knowledge of basic operations and documentation. After the course, course participant shall have:

- Basic knowledge of various software development processes with a focus on iterative processes.
- Basic knowledge of project management of iterative projects.
- Basic knowledge of different roles in a software project.
- Basic understanding of requirements management and ability to document requirements.
- Basic understanding of software testing and documentation around testing.

Content

Project management and documentation

Revision control

Requirements Engineering and Use Cases

Software development processes with a focus on iterative software development, UP (EDU)

Testing of software and documentation of testing

Traceability

Type of Instruction

Instructions are provided in the form of lectures, exercises, and laboratory assignments.

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).

Examination is by written or oral test and submission of laboratory experiments. To obtain final grade at least grade E on the course theory (exam), at least grade E laboratory assignments and pass on all other mandatory course parts must be achieved. Additional exams are offered within six weeks under the regular semester periods. The number examinations are limited to five times.

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.

Credit Overlap

The course cannot be included in a degree along with the following course/courses of which the content fully, or partly, corresponds to the content of this course: 1DV404 Iterative Software Development, 7.5 credits

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

Larman, Craig *Applying UML and Patterns*, 3rd edition latest edition.

Additional Study Material

Laboratory memorandum, Linnæus University, DFM

Course website

The Required Reading and Additional Study Material are subject to changes.