Linnæus University

Course syllabus

Faculty Board of Science and Engineering

School of Computer Science, Physics and Mathematics

1DV404 Iterativ mjukvaruutveckling, 7,5 högskolepoäng
1DV404 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 2009-06-23
Revised 2010-08-18 by School of Computer Science, Physics and Mathematics.
Revision made for English translation of the syllabus and course evaluation.
The course syllabus is valid from spring semester 2011

Prerequisites
General entry requirements for university studies.

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 U, 3, 4 or 5.

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.
Examination is by written or oral test and submission of laboratory experiments. To obtain final grade at least grade 3 on the course theory (exam), at least grade 3 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.

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.