Linnæus University

Jnr: 2017/6571-3.1.2.2

Course syllabus

Faculty of Technology
Department of Computer Science and Media Technology

1DV430 Individuellt mjukvaruutvecklingsprojekt, 7,5 högskolepoäng
Individual Software Development Project, 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 2009-06-23
Revised 2017-11-13 by Faculty of Technology. Removal of ECTS-grading scale.
The course syllabus is valid from spring semester 2018

Prerequisites
Minimum of 30 credits within the field of computer science, computer engineering, informatics or the equivalent.

Objectives

The goal of the course is to provide knowledge and practical skills to implement a software project in which functional software is to be developed. After completing the course the student shall be able to:

- analyze a practical problem, find various solutions and choose the appropriate solution based on relevant theories
- plan and implement an individual software project using the Unified Process
- present, communicate and critically examine the results obtained both in writing and oral.

Content

The course is run as a project with the supervisors of the subject areas covered in the study programe.
Major components of the project are:

- iteration planning including prioritizing requirements and risk analysis
- requirements engineering in software projects
- testing Software
- implementation of Software
- presentation of project in a written report and an oral presentation on a seminar.

Type of Instruction

The course combines tutoring, project work and a final presentation. Learning can be done both individually and in groups. Web-based course materials and reference literature are used. Teaching modalities will train students to actively seek, collect and evaluate knowledge, applying knowledge in practice and to present results.

Examination

The course is assessed with the grades U, 3, 4 or 5.
Examination is by assessment the results of the project, report and project documentation. There is mandatory attendance at the presentation and mentoring opportunities.

Additional exams are offered within six weeks under the regular semester periods. The number examinations are limited to five times.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

Required Reading and Additional Study Material

Reference Literature

Larman, C ,(senaste upplagan) *Applying UML and Patterns, 3rd edition*, Prentice Hall.

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