II1305 Project in Information and Communication Technology 7.5 credits

Projekt inom informations- och kommunikationsteknik

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for II1305 valid from Autumn 2017

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

- ID1018 Programming I or an equivalent course.
- ID1020 Algorithms and Data Structures or an equivalent course.
- IS1200 Division of Computer Systems, basic course or an equivalent course.

• IE1206 Embedded electronics or an equivalent course.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

The course trains the students in methods that are applied, when a technical system with information and communication technology is to be designed under resource and time limitations.

After the course, the course participant should be able to

• carry out a development project of a system with information and communication technology
• choose between different development processes for different projects
• apply methods and use tools and support systems for technical development, for example for project planning, version management, and testing
• use methods for efficient communication and documentation, for example oral presentation, visual project communication, or project communication for conflict management
• reflect on the completed project as a basis for running a new project in an even better way.

Course contents

Development process, project planning, methodology for reflection, practical design of software and/or hardware.

Course literature

Kniberg, Henrik. Serum and XP from the Trenches. Lulu. com, 2015.

Examination

• PRO1 - Project, 7.5 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.