II1302 Projects and Project Methods 7.5 credits

Projekt och projektmetoder

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

Establishment

Course syllabus for II1302 valid from Spring 2023

Grading scale

A, B, C, D, E, FX, F

Education cycle

First cycle

Main field of study

Information Technology, Technology

Specific prerequisites

Knowledge and skills in programming, 7,5 credits, corresponding to completed course ID1018.

Language of instruction

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

Intended learning outcomes

On successful completion of the course, the student should, for small IT projects, be able to

- suggest and give an account of an appropriate, adapted and largely proven project method
- from the perspective of some management role state and with evidence, through a connection to experience from a completed project, justify the strengths and weaknesses of the method
- contribute with ideas and system development work
- based on some management role, practically suggest, plan, organise, lead and follow up the work of the project group
- admit a socially including, encouraging and responsible approach to the project group
- relate to social aims, concerning e g sustainability, which are relevant for the project and also for a developed product and product use.

Course contents

- Group dynamics, leadership and communication in practical work in project group about 3-8 individuals.
- Theoretical and practical project model according to established science and practice.
- Practical development, in groups, of an IT prototype with specification, architecture, design, programming/design, implementation and test.
- Project economy in the form of budgeting, planning, evaluation and time reporting of the work.
- Written system documentation, planning documentation and writing of report.
- When needed, analysis of sustainability aspects and working environment are included.

Examination

- UTV1 - Evaluation documents, 1.0 credits, grading scale: P, F
- PRO2 - Project work, 3.5 credits, grading scale: P, F
- INL1 - Hand-in assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, 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.

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

Other requirements for final grade

Attendance requirement at project work.

Reported working time during the project development phase. Each student must work at least 20 hours per week.

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.