



II1302 Projects and Project Methods 7.5 credits

Projekt och projektmetoder

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

Establishment

The official course syllabus is valid from the spring semester 2025 in accordance with the decision from the director of first and second cycle education: J-2024-2186. Decision date: 2024-10-15

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

After passing the course, the student shall be able to

- identify, describe, discuss, and apply key concepts of project management and development processes
- carry out a project in a group using a structured development process to create a working prototype
- design, develop, test, lead, follow up, and report on project work based on some technical and management roles and responsibilities
- contribute, collaborate, and communicate actively, professionally and inclusively in both Swedish and English
- assess, justify, and reflect on methodological, technical, ethical, and sustainability aspects of working in a project group, the developed product, and its usage.

Course contents

The course provides hands-on experience in project development under resource and time constraints. Students practice on

- project lifecycle with four phases: initiation, planning, execution, and closure
- iterative and incremental methodologies, with focus on Agile methodologies.

Students carry out project work in groups, where they design and implement a small system. Students regularly reflect on their work throughout development.

Examination

- PRO1 - Project, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Examination, 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.

Transitional regulations

Students who studied the course in 2022 or earlier and need to complete one of the earlier examination parts should contact the examiner to get a new exam task. The examination parts include:

- PRO1 and TEN1 for the course 2019 and earlier
- PRJ1 and RAP1 for the course between 2020 and 2022

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.