



AF2025 Architectural Engineering Project 7.5 credits

Projekt för huskonstruktörer

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

Establishment

Course syllabus for AF2025 valid from Autumn 2017

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

AF2003 Structural Engineering, Advanced Course or equivalent course

Language of instruction

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

Intended learning outcomes

After the course is completed the student should have a fundamental understanding of the technical functions of building components and of the building as a system. Furthermore the student should have some skills in the various fields involved in the design of a building and an insight into the role of the different professions.

Course contents

Functional requirements for buildings. Architectural design, Foundations and structure. Selection of materials: Technology, environment, durability, aesthetics, economy. Building components and detailing. Sustainability, environmental aspects and energy use. Building information models.

Disposition

The course will be given as lectures, workshops, exercises, seminars and a project task.

Course literature

Relevant literature to be able to carry out the project work.

Examination

- ÖVN1 - Exercises, 2.5 credits, grading scale: P, F
- PRO1 - Project Assignment, 5.0 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.

Project and exercises

Other requirements for final grade

Passed Project Assignment

Passed Exercises

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.