



AF1020 Buildings Design and Construction Project 7.5 credits

Projekt för huskonstruktörer

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

Establishment

Course syllabus for AF1020 valid from Autumn 2016

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Buildings and Civil Engineering Structures,, Building material, basic course, Building Physics, Structural Mechanics, basic course

Structural Engineering, basic course or the equivalent courses

Language of instruction

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

Intended learning outcomes

The students should have basic understanding of the technical function of a building on completion of the course partly partly in a system perspective, as well as insight in and certain skills in the fields of knowledge that are required to project a building

Course contents

Functional requirement on buildings. House planning: Architectural shape, the function of the building, space planning Foundation and framework. Choice and analysis of carrying design. Choice of material: Technology, environment, durability, aesthetics, economics. Construction parts: Bases, floors, walls, ceilings, windows, doors. Connections. Installations: Heat, ventilation, sanitation, or Sources of information for build- and installations equipment, standards and test methods, quality specifications. Presentation, actions. Costing.

Course literature

Relevant literature to be able to carry out the project assignment

Examination

- PRO1 - Project work, 7.5 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.

The project assignment should be presented both oral and written

Other requirements for final grade

PRO1- Project assignment; 7.5 ECTS; grading scale A-F

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.