AF101X Degree Project in Build Environment, First Cycle 15.0 credits

Examensarbete inom samhällsbyggnad, grundnivå

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

Establishment

Course syllabus for AF101X valid from Spring 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

For students in the program “Samhällsbyggnad” 120 credits are to be required and the student shall have gained the content of the following courses:

AF1002 Buildings and Civil Engineering Structures

AE1102 Geology and Geotechnical Engineering

SG1801 Structural Mechanics, Basic Course

AF1301 Building Materials, Basic Course

AF1402 Building Physics

For other students 120 credits are to be required and the student shall have passes the following courses, or equivalent: AF1002 Buildings and Civil Engineering Structures

AE1102 Geology and Geotechnical Engineering

SG1801 Structural Mechanics, Basic Course

AF1301 Building Materials, Basic Course

AF1402 Building Physics

Language of instruction

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

Intended learning outcomes

The student shall

- Be able to apply relevant knowledge and skills acquired in the main field of studies to a given problem in the field of architectural engineering.

- Within a given framework, independently analyze and discuss issues and solve major problems at the first level in the main field

- Reflect on and critically review their own and others' technical and scientific results

- Be able to document and present their work orally and in writing with the demands for structure, formalities and language processing

- Be able to identify the need for further knowledge and take responsibility for develop knowledge

Course contents

In this thesis work the student will produce documentation describing a house and make a study in depth, which relate to the house and deals with an engineering problem in the construction field.

The work is finalized with an oral presentation and a written report. During the course the student takes part in a program of organized supervision.

Disposition

The course will be given as classes, organized supervision and a project task.

Course literature

Up to date literature in the field of architectural engineering, including adequate research work..

Examination

- XUPP - Examination Question, 15.0 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 task, presentation and active participation in organized supervision

Other requirements for final grade

Passed project task (15 ECTS credits)

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.