



A11TEB Architectural Technology 1 7.5 credits

Arkitekturteknik 1

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

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

Establishment

Course syllabus for A11TEB valid from Autumn 2014

Grading scale

P, F

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

In the modules/course stages outlined below students will learn to:

- describe the movement, behaviour and character of different structural systems.
- utilize models to analyse, predict and describe the basic principles of building statics in different structural systems.
- have a general knowledge of basic rules/principles of building technology and building statics.
- describe the main building materials and building components, their morphology and technical application as well as their physical behaviour.
- have a general knowledge of the composition systems of buildings and of their basic physical behaviour.
- have a general knowledge of the basic principles of sustainable building.
- interpret technical drawings at a basic level.

Course contents

The course introduces key concepts and subject areas that form the basis of the syllabus in architectural technology. It investigates the structural and environmental potential manifest in architecture. The course focuses on analogous analytic methods in order to study structural typologies. The course is divided into part 1, part 2, part 3. Course type: workshops + lecture course.

Course literature

Anges vid kursstart.

Examination

- MOM1 - Moment 1, 3.0 credits, grading scale: P, F
- MOM2 - Moment 2, 4.5 credits, grading scale: P, 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.

Other requirements for final grade

The learning outcomes are examined through the records of the design process, and through the outcomes of the course specified assignments. To achieve the approved level (pass) students must have approved tasks, including 80% attendance at lectures, seminars, tutorials and reviews.

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.