



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 2011

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:

PART 1: STRUCTURES AND MATERIALS

- describe the behaviour of various structural systems and parts through qualitative structural analysis

- utilize analogue models to analyse, predict or show the technical behaviour of structure

PART 2: ARCHITECTURAL TECHNOLOGY AND ANALOGUE MODELLING

- interpret technical drawings

- utilize analogue models to analyse, predict or show technical behaviour in a complex system

- communicate produced material and drawn conclusions through visual media and oral presentation to the year group

- develop and reflect over strategies for group working

PART 3: DETAIL DESIGN 1

- describe key material capacities and manufacturing processes

- hypothesise about the potential of material capacities and manufacturing processes for building design

- use course literature, events and workshops for parts 1-3 to create and organise an archive of this knowledge.

Course contents

To introduce key concepts and subject areas that form the basis of the syllabus in architectural technology. To investigate the structural and environmental potential manifest in a particular project organisation, demonstrating the interrelation of place, programme, structure and environment. To investigate processes of building material production. The course is divided into part 1, part 2, part 3. Course type: workshops + lecture course.

Course literature

Information will be given at the start of the course.

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.