



A21TEB Architectural Technology 2 9.0 credits

Arkitekturteknik 2

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

Establishment

Course syllabus for A21TEB valid from Autumn 2014

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture, Technology

Specific prerequisites

The student must be fully approved in the first academic year, courses and projects.

Language of instruction

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

Intended learning outcomes

In the course students will learn to:

- describe the relationship between technology and architecture with reference to solutions in general and in detail, tools, work processes and methods.
- describe the basic principles and rules of building technology (material use, stability, building physics, statics, light, sound and climate) and its possibilities for sustainable and deliberate design of architecture.
- from a given set of technical conditions in order to apply and
- technically and artistically explain, communicate and describe the fundamental building parts of architecture (foundation, wall/opening, stair/ramp, roof), as a whole and in detail, in technical drawings, images and models.

Course contents

To understand, apply and synthesize basic knowledge of use of materials, building techniques, construction, building physics and climate by focusing on tectonic design of the fundamental building parts from given conditions and in dialogue with specialists from other disciplines.

The course is divided into part 1, part 2, part 3.

Course literature

Anges vid kursstart.

Examination

- MOM3 - Moment 3, 1.5 credits, grading scale: P, F
- 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.

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

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.