



A11P1B Architecture Project 1:1 Assemblies, Geometries, Scales 8.0 credits

Arkitekturprojekt 1:1 Sammansättning, geometri, skala

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 A11P1B valid from Autumn 2011

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture, Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After completing this course, students should be able to:

- master the use of the physical model as a design tool;
- demonstrate and describe how geometry, structure, and spatial relationships are interrelated in a design scheme;
- examine and explain the assembly of their structures;
- describe the material and sensory qualities as well as the motion of forces in their schemes;
- assemble references that complement and illuminate the course concepts;
- develop a terminology for describing and discussing the architectural qualities of the project; and
- reflect and evaluate their own results and working process.

Course contents

The first design studio project in Year 1 utilizes the physical model as a tool for exploring fundamental concepts in architectural design with a focus on the relation between geometry, structure, and spatial relationships. By making, documenting, reflecting on, and reworking, students develop generative methods for studying composition—how structures are put together, how components form a whole, and how to work with scale—and relations of size and scope. Architectural design must make use of material and sensory qualities as well as the motion of forces. At the same time, or in a second exercise, students develop two-dimensional notational techniques for describing, analyzing, and presenting their physical models.

The project is divided into two phases.

Course literature

Information will be given at the start of the course.

Examination

- MOM1 - Moment 1, 5.0 credits, grading scale: P, F
- MOM2 - Moment 2, 3.0 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

General:

Learning outcome objectives are tested in design projects throughout the entire undergraduate program through students' presentation of their process and results in assignments specified at the start of each course. To pass a course, students must also complete all assignments and attend lectures, seminars, teaching opportunities, and assignment reviews.

Whether each student has fulfilled the learning objectives is determined by the examiner in conference with other faculty. They evaluate the student's performance based on the following three parameters:

1. The student's working process, project development, and questioning, and his or her documentation of these.
2. The student's ability and skill to satisfactorily use and handle relevant representational forms and techniques and other design tools based on lectures, assignments, and learning objectives.
3. The student's final presentation, the project's qualities and possibilities, based on the student's architectural and artistic exploration.

Additional Work Requirements:

Students who fail to fulfill or demonstrate fulfillment of the learning objectives are required to do additional work. This requirement is specified in writing and presented to the student within a week of the end of the project. It is then the student's responsibility to independently complete the additional work within a given timeframe, which means it must be entirely completed and approved in writing by the examiner before the end of the following project.

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.