



A21P3C Architecture Project 2:3 Material, Space, Detail 12.0 credits

Arkitekturprojekt 2:3 Material, rum, detalj

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

Establishment

The official course syllabus is valid from spring semester 2027 as decided by the Director of First and Second Cycle Education. Decision date: 2026-04-14

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture

Specific prerequisites

Intended learning outcomes

After the course the student should be able to:

- Investigate and articulate the relation between material, space and detail and the climate conditions that are created through the design of a smaller architectural project.
- Discuss, show and describe how the own project affects its environment and how the environment affects the building project.
- Discuss, show and describe which rooms and sequences of rooms that have been created in the assignment.
- Describe and discuss the architectural qualities in the project in relation to the assignment.
- Discuss and present the principles of construction of the project and how the climate protection works in the project, in a technical drawing of a section.
- Discuss relevant references for the project and articulate the position in relation to these.
- Reason about how sustainability issues (climate, social, economic) relate to the project work.
- Compile the project to a presentation that includes a reflection of the result, references and a part of the working process. Compile the project to a portfolio format, together with the other projects/courses during the academic year.

Course contents

Through a small-scale project, students will gain an in-depth understanding of and articulate the relationships between materials, space, and detail. Furthermore, they will explore and analyze various climatic conditions and microclimates by designing a building on a small scale, allowing them to work through the project from the site plan down to construction details. The concept of materials is explored through specific assignments and field trips from a manufacturing perspective, focusing on their physical properties and sensory qualities. Particular emphasis is placed on understanding the proposal's relationship to its surroundings, spatiality and spatial connections, the building envelope, and construction techniques, as well as how materiality influences all these areas. It is also important to incorporate life-cycle thinking and an understanding of sustainability into one's approach and to be able to support one's own decisions with references. The project builds on prior knowledge, where drawings at various scales and levels of detail work together to describe a unique building proposal.

Examination

- APRO - Architecture project, 12.0 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.

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

Other requirements for final grade

General:

The examiner, in consultation with the other course instructors, assesses how well the student meets the learning objectives based on the following four components:

1. Work process, project development, research questions, and documentation of these.
2. Ability and skill in using and handling relevant representations, techniques, and other design tools based on lectures, assignments, and learning objectives.
3. Final submission: the project's qualities, its architectural and artistic exploration.
4. Reflection on one's own learning.

The project must be completed within the course's specified timeframe.

To receive a passing grade, students must also complete all assignments and maintain 80% attendance at lectures, seminars, tutorials, and reviews.

Course module supplementation means that a student who has received a grade of F and is deemed to be close to meeting the requirements for a passing grade of P may be given the opportunity to complete supplementary work to achieve a passing grade. The course examiner decides whether supplementation is possible. The supplementary assignment is designed based on the learning objectives the student has not achieved. The student shall be given 15 working days to complete the supplementary work. After that, supplementary work may not be done, in accordance with KTH's guidelines on course syllabi, grading systems, and examination.

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.