



A11REA Representation 1: Drawing and Descriptive Geom- etry 3.0 credits

Representation 1: Ritteknik och deskriptiv geometri

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

Establishment

Course syllabus for A11REA valid from Autumn 2024

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture

Specific prerequisites

Language of instruction

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

Intended learning outcomes

Course contents

This course introduces students to the fundamentals of geometry, drafting, and descriptive geometry for spatial visualization in architecture—both analog and digital methods. Students explore the potential of drafting in contemporary architecture and, from a historical perspective, how the role of drawings has changed since the Renaissance, especially since the twentieth-century introduction of digital representational tools for design (2D drafting and 3D modeling, or CAD) and manufacturing (CAM). In addition to lectures, the course is divided into three exercises:

Exercise 1: From physical object and analog notation to digital drawing;

Exercise 2: Manipulation of drawings and 3D models;

Exercise 3: Atmosphere in architectural presentations.

(Tools: AdobeCreative Suite, Rhino, AutoCAD, laser cutter. Can vary from year to year.)

Examination

- MOMA - Element 1, 1.5 credits, grading scale: P, F
- MOMB - Element 2, 1.5 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.

Special regulations for completion apply. The rules for completion can be found on the programme web.

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.