A21REA Representation 2: Fabrication and Descriptive Geometry 3.0 credits

Representation 2: Fabrikation och deskriptiv geometri

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

Establishment

Course syllabus for A21REA valid from Spring 2023

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture

Specific prerequisites

You should have passed the course A11REA Representation 1: Drawing Technique and Descriptive Geometry 3.0 credits

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 deepens students' knowledge of geometry, drafting, and descriptive geometry for digital spatial visualization in architecture. Students study digital techniques for design and fabrication in relation to contemporary developments in architecture. In addition to lectures, the course is divided into two exercises: Exercise 1—Articulation and Exercise 2—Fabrication.

(Tools: AutoCAD, Rhino, parametric tools, 3D printing, CNC routing. Can vary from year to year.)

Examination

- MOM1 - Moment1, 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.

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.

A reflection on the individual learning process must be handed in.

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.