



# A42O2A Orientation; History, Theory and Technology of Architecture 4:2 3.0 credits

**Orientering; Arkitekturens teknik, teori och historia 4:2**

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 A42O2A valid from Spring 2011

## Grading scale

P, F

## Education cycle

Second cycle

## Main field of study

Architecture

## Specific prerequisites

Eligible only for students in Year 4, ARKIT and Year 1, TARKM with a Bachelor's Degree, or an equivalent level within the field of Architecture.

Also incoming students exchange students who are part of an agreed exchange programme within the Architectural programme may take this course.

## Language of instruction

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

## Intended learning outcomes

At the completion of this course the student should be able to:

- demonstrate an understanding of the implications of design tools for the spatial organisation of design
- present a critical discussion of concepts relating to ordering systems in architectural design in a contemporary or historical perspective
- use this understanding to outline an individual standpoint towards the central topics in the course
- communicate their arguments clearly through group digital and verbal presentations
- communicate their argument individually through written and graphic presentations
- be able to reflect on their learning outcomes

## Course contents

The course deals with classical ways in which architectural theory and technology has sought to introduce systems of government relating to building by imposing rules, norms and categories over the built work, and considers how these are subject to challenge particularly in contemporary culture. This relates particularly to the historically important junction between architecture and structural engineering. Historically the issue of how buildings behave structurally has long been considered both a. subject to useful analysis and b. potentially informative of architectural strategy in design. As a corollary of this has been a normative approach to the study of structures and the growth of a discipline whose foundations lie in the development of this normative approach. Contemporary developments in analysis and modelling subvert many of the previously normative constants by which this 'information' of architecture through structure has taken place, questioning classical tropes that combine perceptual, organisational and structural order as fundamental for architectural design.

## Disposition

The course is based on lectures, seminars, material production and a final presentation.

## Course literature

To be announced at course start.

## Examination

- MOM1 - Moment 1, 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

80% attendance on all compulsory activities, including seminars, review and tutorials

Pass grade for research task according to specifications

Students are required to show how they have reflected on their own learning process

## 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.