



*Course syllabus*

# Arkitektens redskap The Architect's Tools

**AAHA60, 9 credits, G1 (First Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED A

**Date of Decision:** 2023-03-28

## General Information

**Main field:** Architecture.

**Compulsory for:** A1

**Language of instruction:** The course will be given in Swedish

## Aim

The course is a base for the four basic courses during the student's first two years, this course aims to give him or her step-by-step the basic knowledge and ability that is required to follow the education, especially the Basic Courses in architecture. The aim of the course also is to introduce architectural design and the communication of architectural design by means of correct drawing, model building techniques, sketching and terms.

## Learning outcomes

### *Knowledge and understanding*

For a passing grade the student must

individually, but with support from a teacher know:

- to use simpler terms and concepts of architecture and building technology and explain their significance.
- to understand and use basic drawing symbols and lines.
- understand and describe the meaning of different kinds of architectural representations.

### *Competences and skills*

For a passing grade the student must

individually, but with support from a teacher know:

- to design a small uncomplicated building that with given preconditions including a spatial and architectural context expresses the chosen architectural idea.
- show an ability to use sketch and model as creative tools of investigation in the design process.
- to present for his or her fellow students and their teachers his or her project in a clear and orderly manner both orally and in correctly made drawings and models and make such a presentation to mediate the architectural ideas embodied in the project.
- to use the architect's tools to make drawings by hand, carefully made, with correct architectural symbols and lines.
- to compile several drawings, pictures and text, digitally and by hand into a general presentation.
- to make a scale model.
- to use the workshop's machines in a secure way.

### *Judgement and approach*

For a passing grade the student must

- to see quality of drawing (sharpness, quality and performance of lines) skills in an own drawing
- to understand the importance of that a drawing, a scale model, picture, text and a presentation communicates
- to understand the importance of the relation between the expressed intention (architectural idea) and the concrete design

## **Contents**

The course aims to introduce students to the means architects use to give form to and communicate architectural ideas. It focuses on drawing techniques, to teach each student to draw correctly and clearly, but the course also trains the creative process of architectural design. The students also learn fundamental uses of e.g. methods of sketching, building models, drawing and collating illustrations. Each student trains in the various uses of other architectural means and works through different exercises in making drawings that can creatively and forcefully depict an architectural idea, and mediate it accurately and clearly. From other exercises students learn to build models, and to perceive how models can realize and communicate an idea in three dimensions.

Having successfully done some such exercises, a student then designs a small uncomplicated building that harmonizes with its surroundings spatially, in form and in its inherent ideas, and then presents it in drawings and models to demonstrate his or her command of the studied techniques of drawing and modelling.

Teaching proceeds in lectures, projects, exercises, seminars, study trips, workshops and written work. The main emphasis is on teaching students to consider and present what they have learned in the form of drawings, models, sketches, images, texts and other relevant media. At the end of each term each student's work is assembled in a portfolio that is used in a pedagogic discussion with him or her.

The course is given annually for first-year students, and is an introduction to the following four basic architectural courses in the first two years. First-year students study so that they can acquire the basic knowledge they will need to follow the following Basic course together with the second-year students. Students work in one of four studios (Q, X, Y & Z) but follow a common schedule.

## Examination details

**Grading scale:** UG - (U,G) - (Fail, Pass)

**Assessment:** To obtain a passing mark each student shall have made all submissions required; and handed in, and got approved, all projects and exercises. In addition he or she shall have attended at least eighty per cent of all lectures, workshops and pre-arranged exercises with assistants in drafting. Examinations shall be made of individual and group-based work.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

## Admission

**The number of participants is limited to:** No

**The course overlaps following course/s:** AAH141

## Reading list

- Bodin, Hidemark och Stintzing: Arkitektens handbok. Addera Förlag, 2008, ISBN: 978-91-86009-00-7.
- Ching, Francis DK: Architectural Graphics. John Wiley & Sons, Inc., 2002, ISBN: 0-471-20906-6.
- For most exercises, the university provides students with compendia that contain practical instructions about and the theoretical background to the subjects to be studied.

## Contact and other information

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