



A52R4B Rebuilding, Addition, Restoration - Studio 5:4 12.0 credits

Ombyggnad-tillbyggnad-restaurering - studio 5:4

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

Establishment

Course syllabus for A52R4B valid from Autumn 2012

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Architecture

Specific prerequisites

One year fully approved architectural studies at the advanced level, courses and projects.

Language of instruction

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

Intended learning outcomes

Historic buildings

Overall goals

The project is part of the Contextual space studio.

Studio Description: Changes in the physical environment constantly affect built and un-built places. The studio will investigate the contextual frames and make programs and design for new and existing - modern and historic - spaces.

2. The course/project goal is to increase the student's knowledge in this area/field and skills/knowledge in the field of architecture in general. The students will enter the project with varying degrees of knowledge/skills and will subsequently end up at different levels at the end of the course/project.

3. The individual student must show an increase in the particular skills/knowledge offered in the studio and in the field of architecture in general.

Course contents

Restoration and renewal of a historic work.

International workshop regarding preservation and renewal in a modernistic context / “Domomomo”. This year program will investigate the possibility of transforming or preserving the Statens Bakteriologiska Laboratorium in Stockholm by Erik Gunnar Asplund. Workshop will take place in Stockholm in corporation with other schools from Europe.

Disposition

Lectures, seminars, tutorial in studio and workshop, study visits.

The aim of this course is to understand and become familiar with the architectural tools required to work with a historically valuable building. Through the project, we will explore reasons for the building to exist, both in today's society and in the future, while still respecting the artistic and historical values of the building. Some of the areas covered are as follows: methods for gaining knowledge about a building, history of architecture in relation to the chosen building, restoration theories in theory and practice, values of and threats against the built heritage, the building in relation to its physical surroundings, materials and building techniques used (original and throughout the history of the building), possible new innovative ways of using the existing building to solve its current problems, relevant and contextual design solutions for new additions to the existing – in large and in detail, sustainability and reversibility of added materials and structure, sensibility of materials, ethical approaches and social consequences to preservations and changes, environmentally friendly and energy efficient innovative approaches to the existing buildings, preservation and renewal in an international context.

Course literature

Erik Gunnar Asplund, Byggförlaget

Examination

- PRO2 - Project, 3.0 credits, grading scale: P, F
- PRO1 - Project, 9.0 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.

The course consists of two parts; a fulfilled and delivered project work (9 credits) and a passed final assessment (3 credits). There is at least one intermediate assessment during the course.

Other requirements for final grade

a) Presentation requirements

Drawings (site plan scale 1:500, floor plans, facades and section 1:50, details 1:5), models, photos and oral presentation according to concept.

During the second half of the Spring semester the 5th year students are to do a Thesis Preparation booklet.

Through the development of a 'Thesis Preparation Booklet' students will have developed a clear focus, thesis question, for their diploma project and will have the opportunity to build an architectural design research on a specific subject the students want to pursue further. The architectural design research, could have an architectural design agenda, technical/material agenda, theoretical or programmatic agenda. It is important that all material is processed by the student and brought together in a booklet. The Thesis Preparation is an opportunity for the students to develop specific techniques and skills as well as to formulate an architectural design ambition through design research.

Requirements:

A4 sized and bind 'Thesis Preparation Booklet' of 20 pages including text, images and drawings. The Thesis Preparation booklet shall be handed in to and examined by the studio teacher before the end of the project.

The studio presentation will be part of the future diploma portfolio and shall be delivered in an appropriate and fully qualified way.

b) Examination

80% attendance. Active participation in lectures, tutorials, and seminars etc. Passed intermediate and final assessments. Compulsory attendance during the assessment reviews.

Completion: The project work shall be delivered and, if necessary, reworked within the set time limit. See general directions.

(Overall principle: Autumn term projects must be approved during the following Spring term: Spring term projects must be approved before the start of the following Autumn term. The reworked projects must be delivered at least one week before the time limit.)
The project work is to be documented in a portfolio, including drawings, analysis and models. The work process shall be legible.

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.