



AF1752 Renovation, Rebuilding and Extension 1 7.5 credits

Renovering, om- och tillbyggnad 1

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

Establishment

Grading scale

P, F

Education cycle

First cycle

Main field of study

Architecture, Technology

Specific prerequisites

Completed courses:

AF1748 Building Information Modeling 5,0 credits, AF1749 Urban and Dwelling Planning 10.0 credits and AF1746 Structural Engineering 1 5.0 credits/ AF1767 Structural Engineering 1 7.5 credits

Intended learning outcomes

Upon completion of the course, the student should be able to:

- understand and describe how a project is initiated and developed, from the briefing stage to a design proposal.
- apply laws and regulations governing the planning and design of workplaces.
- provide a general overview of architectural history, with an emphasis on construction and structural systems.
- develop, design and present a conversion proposal for the transformation of an existing space into a workplace.
- compile and present a space program and a design brief for the project
- apply acquired knowledge of sustainable development in the design of workplaces
- reflect on and demonstrate the influence of building technology on the design.

Course contents

- The course examines how an architectural refurbishment project develops from the briefing stage through a space allocation plan and on to the design brief. The project work is carried out in small groups.
- The focus is on the workplace as an architectural environment, where students how current laws and regulations, as well as construction and building technology, influence design, and how societal changes have influenced and continue to influence the design of contemporary office environments.
- Sustainability aspects relating to current and future office refurbishments form an important part of the course and are expected to be reflected in the spatial environments planned by the students.
- A fundamental component of the course is the scheduled activities: site visits, lectures, seminars and tutorials. These provide the foundation for the course's refurbishment project and address the topics covered in the course examination.

Examination

- PROA - Project, 5.0 credits, grading scale: P, F
- TEN1 - Written exam, 2.5 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.

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.