



# AI2809 Construction Management 7.5 credits

## Ledning av byggprojekt

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 AI2809 valid from Autumn 2017

## Grading scale

A, B, C, D, E, FX, F

## Education cycle

Second cycle

## Main field of study

Built Environment

## Specific prerequisites

Eligibility to the master programme in Real Estate and Construction Management.

## Language of instruction

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

## Intended learning outcomes

The course focuses on the management of construction projects from concept to finished project results. The course covers the construction process, design and production management including procurement, health and safety, logistics and construction law. The course aims at training students on the basis of sustainable development plan, organize, control, manage, procure and monitor construction projects from conceptual design through to completion. After completing the course the student should be able to select and apply common models, methods and tools to analyze building program and current plan documents to determine the conditions for a construction project, plan and organize the design process, evaluate and select building design, perform cost estimates and analyzes, planning construction output, evaluate selected design solution against the project's requirements and feasibility, planning and implementing procurement, project lead, manage and monitor the production process.

## Course contents

The management of construction projects. Building Process. Design and production management. Construction Law.

## Course literature

Literature announced at the beginning of the course.

## Examination

- TEN1 - Written Assignment, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Assignment, 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.

## 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.