



# AI1801 Construction Project Management 7.5 credits

## Byggprojektledning

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 AI1801 valid from Autumn 2017

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Built Environment, Technology

## Specific prerequisites

120 hp within the Built Environment or equivalent.

## Language of instruction

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

## Intended learning outcomes

- The course teaches and explains managerial, organizational and procurement issues of importance for project-based organizations within the construction sector and other sectors. This includes fundamental knowledge areas for managing the separate project as well as for managing multi project organizations. In addition, the course includes tasks and tools for managing both design and production. A special focus will be on early phases. The course emphasizes project communication as fundamental for progress. The aim is to prepare the participants for work in project-based organizations. After the course, the participants shall: 1. Be familiar with basic project management concepts and methods. 2. Be familiar with the basic work tasks a project manager face during the stages of the construction project process including procurement. 3. Be familiar with the context and it's effects the project process. 4. Be familiar with the project stakeholders and their roles. 5. Be familiar with the role of communication for project progress and sustainable construction.

## Course contents

- The project concept. Project management tools and methods. Project design management. Project planning. Project organizing. Procurement. Project control. Project communication. Risk management and context analysis. The planning- and construction process including actors, organization and information- and communication needs.

## Course literature

it will be announced at the beging of the course.

## Examination

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

