



HS1015 Construction Management 7.5 credits

Byggstyrning

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 HS1015 valid from Autumn 2012

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

AF1730 Building Information Modeling
AF1740 Economics and organization
HS1006 The Building Process
or equivalent courses

Language of instruction

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

Intended learning outcomes

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

- Create time and structural plans, calculate construction times, and determine critical lines
- Establish a workforce diagram and divide resources
- Calculate and determine unit times and capacities with the help of existing computer programmes
- Calculate material and work expenses
- Calculate operating costs and expenses for labour management
- Establish a tender summary and tender layout
- Perform financial reconciliations and prognoses

Course contents

The course covers the central elements of tender calculations:

- Time concepts
- Capacity estimations
- Resource division, and material and work cost calculations
- Calculation of operating costs

The preparation of tender summaries and the design and layout of tenders are also covered.

Course literature

Nordstrand, Uno: Byggstyrning

Johansson, Thomas: Kompendium i Byggstyrning

Examination

- TEN1 - Examination, 6.0 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercises, 1.5 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.

Other requirements for final grade

Written examination, 6.0 credits, grade scale A-F and approved submitted assignments, 1.5 credits, grade scale P/F.

Overall course grade is based on grade scale A-F.

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.