



HS1736 Civil Engineering - Final Project 7.5 credits

Anläggningsteknik, avslutande projekt

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 HS1736 valid from Spring 2013

Grading scale

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

Education cycle

First cycle

Main field of study

Built Environment, Technology

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, students will be able to:

- Actively assist in the planning and construction of minor roads, embankments, tunnels, bridges or dockside construction works
- Perform basic time and cost estimates for construction works
- Draw practical conclusions from experimental values
- Document work in a written report
- Calculate the total water requirements for an area with various types of developments and urban functions
- Calculate run-off from wastewater and surface water for an area with various types of developments and urban functions
- Dimension water mains, wastewater pipes, and storm pipes from this area

Course contents

- Planning, design and construction of minor construction objects
- Calculations, planning and implementation
- Geotechnical construction-oriented laboratory work and field exercises
- Water requirements in a neighborhood
- Design of water supply and sewage piping

Specific prerequisites

Must have earned 80 programme credits and passed HS 1724 Construction Technology

Course literature

Reading materials will be announced at the start of the course

Examination

- PROA - Project, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- TENA - Examination, 2.5 credits, grading scale: A, B, C, D, E, FX, 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

Passed Exercises and Project (PROA; 5.0 credits), grade scale: A, B, C, D, E, FX, F
 Examination (TENA; 2.5 credits), grade scale: A, B, C, D, E, FX, 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.