



HS1024 Structural Design of a Infra Structural Project 7.5 credits

Projektering av ett infraprojekt

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

Establishment

The course syllabus is valid from spring term 2020.

Grading scale

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

Education cycle

First cycle

Main field of study

The Built Environment, Technology

Specific prerequisites

Students in year 3 of the Bachelor of Science in Engineering programme Constructional Engineering and Design

HS1014 Design of Civil Engineering Constructions
HS1015 Construction Management or HS1021 Steel and Timber Structures
or equivalent courses

Language of instruction

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

Intended learning outcomes

In a project group, to be able to independently design and account for simple infrastructure structures such as roads or simple bridges

Course contents

Design of a road or bridge

Design calculations, design and presentation (description and drawings). Lectures within the subject area

Course literature

Betonghandboken, konstruktion
Kurskompendium

Examination

- PROA - Project Assignment, 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.

If the course is discontinued, students may request to be examined during the following two academic years.

Other requirements for final grade

To receive a final grade for this course, grade E or higher on the Project (PROA, 5.0 credits), grading scale A-F, and on the written examination (TENA, 2.5 credits), grading scale A-F are required

Overall course grade is based on grading 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.