HS1023 Structural Design of a House Project 7.5 credits

Projektering av ett husprojekt

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 HS1023 valid from Spring 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Built Environment,Technology

Specific prerequisites

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

HS1008 Structural Design in Civil Engineering
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

Outcomes to receive an E grade:

Upon completion of this course, students will be able to:

- Design various structural members of a house, and present the results as calculations and drawings
- Demonstrate the ability to work in a project
- Show the ability to apply knowledge from previous mechanical and structural courses

Course contents

- Lectures within the subject area
- Carry out design calculations and drawings for a house

Course literature

Litteratur från kurserna Byggmekanik 1, Byggmekanik 2, Konstruktionsteknik och Stål- och träkonstruktion samt ytterligare litteratur som bestäms inför varje kurstillfälle.

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.

Other requirements for final grade

To receive a final grade for this course, grade E or higher on the Project work (PROA, 5.0 credits) and on the written examination (TENA, 2.5 credits) 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.