



AF2603 Soil - Structure Interaction 7.5 credits

Samverkan byggnad - undergrund

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

Establishment

Course syllabus for AF2603 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

Soil Mechanics and Foundation Engineering besides Structural Engineering Advanced Course.

Language of instruction

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

Intended learning outcomes

After the course the students will have good knowledge in principles for design of soil structure interaction.

Course contents

This course encloses: Foundation with footings and piles, interaction between load on the building, foundation and settlements, structural damages, sheet pile walls.

Course literature

Compendia, Division of Soil and Rock Mechanics, KTH.

Examination

- ÖVN1 - Exercises, 3.0 credits, grading scale: P, F
- TEN1 - Examination, 4.5 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

Oral examination (TEN1; 4,5 cr)
and approved exercises (ÖVN1; 3 cr).

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.