FAF3605 Underground Excavation in Rock 7.5 credits

Underjordisk schaktning i berg

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

Establishment

Course syllabus for FAF3605 valid from Spring 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Master of Science in civil engineering or similar, with a basic course in rock mechanics.

Language of instruction

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

Intended learning outcomes

After having completed the course, the student shall have a comprehensive understanding of the technical aspects that affect the possibilities for long-term sustainable construction of underground structures in rock.

Course contents

The course content include the most significant technical aspects of underground excavations in rock.

Course literature

The course literature is announced at the beginning of each course round.

Examination

- PRO1 - Project work, 1.5 credits, grading scale: P, F
- TEN1 - Oral examination, 6.0 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.

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

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.