FAF3008 Research within Civil and Architectural Engineering 7.5 credits

Forskning inom byggvetenskapen

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

Establishment

Course syllabus for FAF3008 valid from Spring 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Entry requirements for PhD studies

Language of instruction

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

Intended learning outcomes

After completed course, the student will be able to

- identify the research fields within Civil and Architectural Engineering
- identify and critically discuss ongoing research within Civil and Architectural Engineering
- account for previous research and important fundamental results within the field
- account for and apply fundamental concepts used in numerical modeling and simulation within the field
- account for and apply fundamental techniques used in measurements and laboratory work within the field
- account for the process of scientific writing and peer review, including knowledge about the most important scientific journals within the field

Course contents

- Research review and history within the field
- Numerical modeling and simulation
- Laboratory testing technique
- Measurement techniques
- Scientific writing and peer review

Course literature

Communicated at start of course.

Examination

- INL1 - Written assignment, 7.5 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.