FAF3413 Application of Exergy-analysis in Buildings 7.5 credits

Tillämpning av exergianalyser i byggnader

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

Establishment

Course syllabus for FAF3413 valid from Autumn 2019

Grading scale

P, F

Education cycle

Third cycle

Specific prerequisites

Master of Science in Civil Engineering or similar, with an undergraduate course in building technology.

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 student shall

- have obtained knowledge and understanding regarding exergy as a concept;
- have an understanding about how it can be applied for analyses of aspects within the building sector;
- be able to show how this can be applied making buildings developing in a sustainable way.

Course contents

The course gives a deeper understanding about the exergy processes in the built environment.

Examination

- RAP1 - Project report, 5.0 credits, grading scale: P, F
- TEN1 - Oral exam, 2.5 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.