



AF2504 Building Services Engineering, Simulation 7.5 credits

Installationsteknik, simuleringar

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

Establishment

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

Language of instruction

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

Intended learning outcomes

The course will give knowledge of modular simulation of the mechanical systems and the building.

Course contents

- Component models
- Neutral Model Format (NMF)
- The IDAenvironment for modular simulation
- System studies: Climatic shell, air handling units, substations, room units, cooling in office rooms, energy demand for buildings etc.

Course literature

Will be announced at the beginning of the course

Examination

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

Examination (TEN1; 3 cr)

Approved exercises (ÖVN1; 4,5 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.