



AF2502 Building Services Engineering, Advanced Course 7.5 credits

Installationsteknik, fortsättningskurs

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

At least 120 credits academic studies in Engineering, Science, including documented proficiency in English and Swedish B or equivalent (TOEFL, IELTS e.g).

AF1501 Building Services Engineering or Building Physics with Applications.

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 how to optimize the operation of the environmental systems of a building.

Course contents

- Principles of design of control flow systems for heating and cooling.
- Commissioning.
- Air flow in buildings.
- Transient temperatures in buildings.
- Controls.
- Efficient use of electricity.

Course literature

Kompendium i installationsteknik FK. In Swedish

Övningsuppgifter och laborationsförelägg. In Swedish

Additional literature may be given during the course.

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

Written examination (TEN1; 4,5 cr)

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.