AF2503 Indoor Climate and Industrial Ventilation 7.5 credits

Inomhusklimat och skyddsventilation

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

Establishment

Course syllabus for AF2503 valid from Autumn 2007

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 about the technical aspects of indoor climate and training in elimination of malfunctions of environmental systems in buildings and how to design ventilation for control of the work environment.

Course contents

- The interaction between air movements and the dispersion of pollution
- The demands of ventilation in laboratory work, operation rooms and clean rooms
- Industrial ventilation (orientation)
- Historical buildings
- Questionnaires
- Air quality
- Air movements in rooms and buildings
- Thermal comfort and draught
- Noise
- Measurement technique
- An important part of the course is to improve the indoor climate in a building.

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

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.