AF1733 Building Technology 3, Building Physics and Materials 7.5 credits

Byggteknik 3, Byggfysik och materiallära

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

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

The course syllabus is valid from spring term 2021.

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Language of instruction

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

Intended learning outcomes

Upon completion of the course, students will be able to:

- Provide examples and describe standard construction materials and their properties, areas of use and manufacture
- Explain the various ways that heat is transported
- Calculate moisture in air and materials
- Calculate heat and moisture transfer in buildings

Course contents

Specific prerequisites

Examination

- LAB1 - Exercises, 0.5 credits, grading scale: P, F
- TEN1 - Written examination, 2.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN2 - Written examination, 5.0 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.

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.