



# HS1730 Building Physics 7.5 credits

## Byggfysik med byggmateriallära

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

Built Environment, 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:

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

## Course contents

### Specific prerequisites

Students in year 1 of the Higher Education Diploma programme in Construction Management

### Examination

- TEN1 - Examination, 4.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercises, 3.0 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.

### Other requirements for final grade

Passing grade on written exam (TEN1, 4.5 credits). Grading scale A-F

Passing grade on Practical assignment (ÖVN1, 3 credits). Grading scale P/F

Overall course grade is based on grading scale A-F

### 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.