



# F1D5203 Physics and Buildings - Measurements 6.0 credits

Byggnadsfysik III - mätmetoder och mätmetodik

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

Course syllabus for F1D5203 valid from Spring 2018

## Grading scale

undefined

## Education cycle

Third cycle

## Language of instruction

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

## Intended learning outcomes

After the course, the student shall

- have a deeper understanding of measurement methods of importance for research within building technology and how they are applied in a sustainable way in practical building technology;

- be able to describe the most significant methods for measurement of temperature, air flow, thermal comfort etc. and describe the factors that affect these properties;
- be capable of choosing and performing evaluations around how these properties measured may influence a building's technical performance.

## Course contents

The course gives a comprehensive understanding about how a buildings technical operation can be evaluated by different methods for measurement. Particular emphasis is put on temperature and thermal comfort.

## Specific prerequisites

Master of Science in Civil Engineering or similar, with an undergraduate course in building technology.

## Course literature

The course literature is announced at the beginning of each course round.

## Examination

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.