



# AF1007 Building Technology 7.5 credits

Husbyggnadsteknik

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

## Establishment

Course syllabus for AF1007 valid from Spring 2020

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

Record of completed secondary education including Swedish and English.

## 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 be able to explain about important parts of the building codes, explain operation and problems of relevance regarding important building parts such as roofs, foundations and walls. Explain about operation of systems for heating and ventilation. Explain about important reasons for building damages with routines for their investigation and also about how to rebuild to avoid them. Have knowledge about energy declarations, systems for building guarantees and ethics and responsibilities for investigations regarding building technology.

## Course contents

The course aims to provide the expertise in building technology requested by the Swedish Estate Agents Inspectorate. Course contents are: Building regulations. Building construction, drawings and area calculations. Damage to buildings and building guarantee schemes. Redevelopment. Energy certification. Inspection Technology. Ethics and responsibility in building technical investigation.

## Disposition

The course is given as lectures and a project.

## Course literature

Björk et al: Så byggdes husen, Formas förlag, 2003

Byggteknikens grunder, kompendium i grundläggande byggnadsteknik. Avdelningen för byggnadsteknik KTH.

Ytterligare material görs tillgängligt via KTHs lärplattform under kursomgången.

## Examination

- INL1 - Assignment, 3.0 credits, grading scale: P, F
- TENA - 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 hp), Assignment (INL1; 3hp),

## **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.