



AF201V Damp in Buildings 7.5 credits

Fukt i byggnader

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

Establishment

Grading scale

P, F

Education cycle

Second cycle

Main field of study

The Built Environment

Specific prerequisites

Higher education for at least 30 credits in the field of engineering or natural science and documented knowledge of Swedish B and English A or equivalent

Language of instruction

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

Intended learning outcomes

When passed the course the student shall be able to explain about the influence dampness may have on wood and other building materials. Make simpler calculations regarding moisture processes in wood and concrete. Explain about definitions and applications regarding measurement of dampness, dampness criteria, and moisture transport. Explain about methods and aim for measurement of dampness in different cases. Explain where dampness will be found in different materials. Be familiar with some computerized tools for dampness calculations. The student will also get some training in working with moisture safety in the building process.

Course contents

The course aims to provide knowledge about moisture issues can be handled within the building. The course deals with moisture protection of building constructions, and how different building materials are affected by moisture. It also provides an orientation about different ways to investigate moisture and dampness. The procedures of ByggaF will be reviewed.

Knowledge about dampness is of great importance both during the building process and during the administration process of the building. By handling issues about moisture regarding to moisture in an adequate, balanced and constructive way it will be possible to avoid both costs and discomfort.

Course literature

Kompedium om fukt i byggnader samt Fukthandboken av Nevander och Elmarsson.

Examination

- ÖVN1 - Seminars, 4.5 credits, grading scale: P, F
- TEN1 - Written test, 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.

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

Project and exam done at home

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.