



SE2123 Testing Techniques in Solid Mechanics 6.0 credits

Hållfasthetsteknisk provning

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

Establishment

Course syllabus for SE2123 valid from Autumn 2007

Grading scale

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

Education cycle

Second cycle

Main field of study

Specific prerequisites

SE1010 or SE1020 or SE1055, SE1025.

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 participants should be able to

- understand the theoretical background for a number of measurement methods, and techniques in solid mechanics.
- work with certain experimental equipment used in solid mechanics testing
- account for basic experimental planning.

Course contents

The course gives insights into several experimental methods used in solid mechanics.

Course literature

Hand-outs.

Examination

- PRO1 - Project, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- LAB1 - Laboratory Work, 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.

Other requirements for final grade

Written exam (PRO1; 3 university credits)

Laboratory work (LAB1; 3 university credits)

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.