



# SE1117 Design Applications of Solid Mechanics 6.0 credits

Tillämpad hållfasthetslära

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 SE1117 valid from Autumn 2008

## Grading scale

P, F

## Education cycle

First cycle

## Main field of study

Mechanical Engineering, Technology

## Specific prerequisites

Recommended prerequisites is SE1055.

## 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 participant should be able to

- understand basic modeling and design in solid mechanics.
- present, within the framework of a project work, the solution to a practical problem in solid mechanics summarized in a written report.

## Course contents

To acquire knowledge of practical issues of mechanical design. The teaching consists of a series of lectures and a larger project where the students should perform an analysis of a practical solid mechanics problem.

## Course literature

Hand-outs

## Examination

- NÄR1 - Attendance, - credits, grading scale: P, F
- ÖVN1 - Project, 6.0 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

Participation in 80% of the lectures (NÄR1; 0 university credits)

Project (ÖVN1; 6 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.