



# MG1213 Mechanical components in technical systems 4.5 credits

Mekaniska komponenter i tekniska system

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

## Establishment

## Grading scale

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

## Education cycle

First cycle

## Main field of study

Technology

## Specific prerequisites

General entry requirements.

## Language of instruction

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

## Intended learning outcomes

After passing the course, the student shall be able to:

- describe and explain key concepts of mechanical components of technical systems
- select components using selection processes, analyses and dimensioning based on specific functional, maintenance and reliability requirements
- perform and present simple analyses of technical components
- describe and explain the principles of maintenance and reliability of components of machinery

## Course contents

The course covers commonly used mechanical components in technical systems, how they work and are used.

## Examination

- INL1 - Hand-in assignments, 3.0 credits, grading scale: A, B, C, D, E, FX, F
- TEN1 - Written exam, 1.5 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.

## 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.