



**LUNDS UNIVERSITET**  
Lunds Tekniska Högskola

*Course syllabus*

## **Projekt - Maskinelement** **Project - Machine Elements**

**MMEN10, 7,5 credits, A (Second Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED M

**Date of Decision:** 2023-04-11

### **General Information**

**Elective for:** M4

**Language of instruction:** The course will be given in English on demand

### **Aim**

The purpose of the course is for the student to work with a larger task, in order to reach deeper knowledge within the area of Machine Elements and adjacent areas.

### **Learning outcomes**

#### *Knowledge and understanding*

For a passing grade the student must

- show deepened knowledge in the chosen area.
- individually describe and document solutions of tasks in a written report.

#### *Competences and skills*

For a passing grade the student must

- show the ability to individually plan and carry through a major project task.
- before a technically competent audience, orally present the chosen subject.

#### *Judgement and approach*

For a passing grade the student must

- show the ability to identify and utilize knowledge within the chosen area of interest.

## Contents

An applied or theoretical study of a subject chosen by the student. The study can be in the form of a small development project or as a pre-study of the thesis work. A requirement is that the work is clearly defined and corresponds to 200 hours of studies. Examples of areas that can be studied are transmissions, machine design, tribology, and machine dynamics.

## Examination details

**Grading scale:** UG - (U,G) - (Fail, Pass)

**Assessment:** Written report and an oral presentation.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

## Admission

**Admission requirements:**

- MMEF01 Tribology or MMEF05 Transmissions

**The number of participants is limited to:** No

**The course overlaps following course/s:** FME071

## Reading list

- Established in conference with the examiner.

## Contact and other information

**Examiner:** Jens Wahlström, jens.wahlstrom@mel.lth.se

**Course coordinator:** Rikard Hjelm, rikard.hjelm@mel.lth.se

**Course homepage:** <http://www.mel.lth.se/utbildning>