



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>