



LTH

FACULTY OF
ENGINEERING

Course syllabus

Tribologi Tribology

MMEF01, 5 credits, G2 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED M

Date of Decision: 2023-04-11

General Information

Main field: Technology.

Compulsory for: M3, MD3

Language of instruction: The course will be given in Swedish

Aim

The course gives knowledge in how to dimension rolling and sliding bearings.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- have knowledge of the methods of how to calculate the dimensions of rolling and sliding bearings.

Competences and skills

For a passing grade the student must

- be able to dimension rolling and sliding bearings with the use of theories taught in the course.

Contents

Tribology including rolling and sliding bearings

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: Assignments and written examination.

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

Assumed prior knowledge: FMEA01 Engineering Mechanics - Statics and Particle Dynamics together with FMEA25 Mechanics-Dynamics or FMEA30 Mechanics, and FHL013/FHLF15 Solid Mechanics.

The number of participants is limited to: No

The course overlaps following course/s: MME022

Reading list

- M Mägi, K Melkersson, M Evertsson: Maskinelement. Studentlitteratur AB, 2017, ISBN: 9789144109053.

Contact and other information

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

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