



Course syllabus

Transmissioner Transmissions

MMEF05, 7,5 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 analyse mechanical transmissions using relations for, and between, the included parts.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- be able to recognize transmission elements and apply methods taught in the course.

Competences and skills

For a passing grade the student must

- be able to analyse exemplified transmissions.

Contents

Commonly used transmission elements, e.g. brakes, screws, couplings, clutches and gears.

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

The number of participants is limited to: No

The course overlaps following course/s: MME035

Reading list

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

Contact and other information

Teacher: Rikard Hjelm, rikard.hjelm@mel.lth.se

Course coordinator: Jens Wahlström, jens.wahlstrom@mel.lth.se

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