



*Course syllabus*

# Projekt - Teknisk mekanik Project - Engineering Mechanics

**FMEN35, 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:** F4, M4, Pi4, MPRR2

**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 Engineering Mechanics 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.

## 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:**

- FHLA05 Engineering Mechanics or FMEA10 Engineering Mechanics, Basic Course or FMEA15 Mechanics - Statics and Dynamics or FMEA20 Mechanics - Dynamics or FMEA30 Engineering Mechanics

**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

**Course coordinator:** Per Hansson, [per.hansson@mek.lth.se](mailto:per.hansson@mek.lth.se)

**Course coordinator:** Aylin Ahadi, [aylin.ahadi@mek.lth.se](mailto:aylin.ahadi@mek.lth.se)

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