



## Course syllabus

Faculty of Technology

Department of Mechanical Engineering

4MT31E Maskinteknik, examensarbete (magister), 15 högskolepoäng  
Mechanical Engineering, Degree Project (Master), 15 credits

### **Main field of study**

Mechanical Engineering

### **Subject Group**

Mechanical Engineering

### **Level of classification**

Second Level

### **Progression**

A1E

### **Date of Ratification**

Approved by Faculty of Technology 2015-05-13

The course syllabus is valid from spring semester 2016

### **Prerequisites**

Bachelor of Science within Mechanical Engineering and courses on advanced level necessary for the specific degree project.

## Objectives

After completing the course the students are expected to be able to

- apply and intensify the knowledge acquired during studies on advanced level
- define problems, plan and carry through a major project
- write a scientific report according to the academic/technical report-writing model
- present their projects orally
- opposing on other degree projects

## Content

The course comprises the following elements:

- problem formulation, analysis, methods, results
- presentation, report-writing
- oral presentation
- opposing at the presentation of another degree project

## Type of Instruction

The teaching comprises

- teacher-led supervision
- literature studies

## Examination

The course is assessed with the grades A, B, C, D, E, Fx or F.

The examination is based on

- the presentation of the student's own degree project
- the performance as opponent of another degree project
- submission in digital form to the university library website.

The grade A constitutes the highest grade on the scale and the remaining grades follow in descending order where the grade E is the lowest grade on the scale that will result in a pass. The grade F means that the student's performance is assessed as fail (i.e. received the grade F).

### Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed at the Faculty.

### Credit Overlap

This course cannot be part of a degree in combination with another course in which the content fully or partly correspond to the content of this course: 4MT01E

### Other

Certain elements of the course may entail costs which will have to be defrayed by the course participant.

Grade criteria for the A–F scale are communicated to the student through a special document. The student is to be informed about the grade criteria for the course by the start of the course at the latest.

### Required Reading and Additional Study Material

#### **Required reading**

Literature is selected after discussion with supervisor.