



MF2032 Eco Design 6.0 credits

Eco Design

This is a translation of the Swedish, legally binding, course syllabus.

If the course is discontinued, students may request to be examined during the following two academic years

Establishment

Course syllabus for MF2032 valid from Autumn 2019

Grading scale

A, B, C, D, E, FX, F

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

A Bachelor of Science in Mechanical engineering or equivalent.

Language of instruction

The language of instruction is specified in the course offering information in the course catalogue.

Intended learning outcomes

After passing the course, the student should be able to:

- define and explain concepts and methods connecte to eco design
- apply methods for eco design and sustanable development on a consumer product
- analyze and evaluate solutions with respect to sustainability

Course contents

Life Cycle Assement; Recycling of materials and components; Design for disassembly; Design rules for materials choice, surface treatment, structural layout; Relevant EU directives and laws.

Course literature

Notified at beginning of course.

Examination

- PRO1 - Project, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- TEN2 - Written examination, 2.5 credits, grading scale: A, B, C, D, E, FX, F
- ÖVN1 - Exercise, 1.0 credits, grading scale: P, F

Based on recommendation from KTH's coordinator for disabilities, the examiner will decide how to adapt an examination for students with documented disability.

The examiner may apply another examination format when re-examining individual students.

Ethical approach

- All members of a group are responsible for the group's work.
- In any assessment, every student shall honestly disclose any help received and sources used.
- In an oral assessment, every student shall be able to present and answer questions about the entire assignment and solution.