



MF2093 Sustainable Consumption 6.0 credits

Hållbar konsumtion

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

Establishment

Course syllabus for MF2093 valid from Spring 2018

Grading scale

P, F

Education cycle

Second cycle

Main field of study

Mechanical Engineering

Specific prerequisites

Bachelor Degree.

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 students should be able to:

- understand how consumption is connected to ecological, social and economic sustainability.
- understand which consumption categories that have largest environmental impact and why, as well as how the consumption is connected to values, lifestyle and income.
- describe how the consumption looks in a global perspective, how it is changed, and forecasts for the future.
- state the connection between design and consumption and how design methodology can be used to achieve a more sustainable consumption.
- understand and reflect on your own footprint and create a strategy for how it can be reduced with an energy descent plan.
- know and use different methods to influence, change and plan for a more sustainable consumption.

Course contents

Disposition

The course is an e-learning course consisting of lectures online, with exercises and written assignments.

Supervision via Skype or e-mail.

Some exercises are carried out in groups of three students either via Skype or if possible, at meetings.

Course literature

Current research articles and reports.

Examination

- SEM1 - Seminar, 3.0 credits, grading scale: P, F
- INL1 - Hand in Exercise, 3.0 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.

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

Other requirements for final grade

Passed exercises and written assignments.

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.