



ML1205 Production Driven Product Design 7.5 credits

Produktionsanpassad produktutveckling

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

Establishment

Course syllabus for ML1205 valid from Spring 2015

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Language of instruction

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

Intended learning outcomes

After the course, the students should be able to:

- Develop and present design solutions considering given manufacturing conditions
- Develop and present design solutions considering given assembly conditions
- Present considerations taken in the design process, regarding ecological, economical and social sustainability
- Consider and account for life-cycle aspects during the design of a product

Course contents

Effects of different manufacturing methods on the design of a product

Effects of joining and assembly aspects on the design of a product

Disassembly and recycling aspects on the design of a product

Study visits

External lecturers

Thematic group assignments

Disposition

Lectures

Study visits

Laboratory exercises

Seminars

Course literature

Meddelas senast en månad före kursstart

Examination

- SEM1 - Seminar, 1.5 credits, grading scale: P, F
- ÖVN1 - Exercises, 3.5 credits, grading scale: P, F
- LAB1 - Laboratory Work, 2.5 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

Approved seminar SEM1 (1.5 cr), P/F
Approved exercises ÖVN1 (3.5 cr), P/F
Approved laboratory session LAB1 (2.5 cr), P/F

Final grades: A-F

Final grades will be based on criteria for the individual parts. These will be announced at the start of the course

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.