ML1343 Product Development, Project course 7.5 credits

Produktutveckling, projektkurs

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

Establishment

The official course syllabus is valid from the autumn semester 2026 as decided by the Faculty Board: dnr HS-2026-1309. Decision date: 2026-06-15.

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

- Completed the courses ML1209, ML1206 and ML1213

Intended learning outcomes

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

1. prepare and execute a project plan for a product development project

2. account for the importance of teamwork and cooperation in multi-disciplinary and multicultural project groups

3. Identify and evaluate one's own behaviour in working groups and relate this to the dynamics of the working group

4) evaluate new technologies and describe the changes that the technical development means for society

5) identify, prioritise and apply relevant design parameters for the product development

6. orally, in writing and by means of required physical models present the result of a product development project

7. identify and apply different approaches and positions with regard to ethnicity, diversity, ethics and gender

Course contents

The choice of a project field is the basis for the course; the whole course is a project and each group in the course will only be able to deliver a limited result to the final project result. All earlier learnt technology and designkunskaper will be needed in this course. On this basis in the course, through the project, come the student to continue study, discuss and learn his role as engineer and design engineer in society.

The following subjects will be processed:

- Computer-aid for design with document handling (CAD with PLM)
- Project planning and review documentation
- Design of technical posters

Examination

- PROA - Project and exercises, 5.0 credits, grading scale: A, B, C, D, E, FX, F
- REDA - Written or oral reports, 2.5 credits, grading scale: A, B, C, D, E, FX, 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.

Transitional regulations

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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.