MF116X Degree Project in Design and Product Realization, First Cycle 15.0 credits

Examensarbete inom design och produktframtagning, grundnivå

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

Establishment

Course syllabus for MF116X valid from Spring 2011

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Qualified for studies in grade 3, MF1038, MF1039, MH1005, HM1025

Language of instruction

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

Intended learning outcomes

On completion the candidate's work in Industrial Design student should be able

- Independently develop and present a problem, from idea to product suggestions. This requires the student to have gained an insight into and an understanding of the genesis process in its various phases and to understand the user or customer's requirements and preferences, spoken as well as unspoken.
- Apply and integrate knowledge and skills acquired during their studies, focusing on problems in their chosen field of specialization
- Present a written technical report meeting the requirements on content, structure and language, and give an oral presentation.

Course contents

The work in the Bachelor's course Design and Product Development (C-level) will demonstrate independence and engineering skills. Proposals for projects will be presented during the introductory session. The project must have significant technical content and communicate through text and images. Briefings from the projects will take place throughout the course. The course introduces students to visualization and communication, training technical and visual skills in 3D graphics and presentation software. The visualization course also teaches students how to choose appropriate media and communications methods. Teaching is given in classes and small groups and each student reports individually. On completion of Study Period 3, each student makes a presentation demonstrating their skills in the visualization programs.

Disposition

The course is conducted over periods of three and four, in the spring semester in year three of program design and product realization. At the beginning of the course is taught in 3-D modeling and poster presentation.

Course literature

To be decided later.

Examination

- PRO1 - Project, 15.0 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.

The Bachelor thesis work is usually done in pairs, although it can be performed individually. On completion of the project at the end of Study Period 4, there is a presentation on each report with opposition from the other students in the class. Each candidate's work is also represented in a separate poster presentation at the end of the semester.

First week of the course requires 100% attendance,

 Mandatory study trip

Other requirements for final grade

To pass this course requires an approved written and oral presentation of the work as well as an approved work process (PRO1; 15hp)

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.