MF1062 Design and Product Realization 6.0 credits

Design och produktframtagning

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 MF1062 valid from Spring 2017

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Compulsory for CDEPR, year 1.

Language of instruction

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

Intended learning outcomes

On completion of the course, the student should:

- have understanding of semiotics, shape, design methodology and design management
- be able to discuss issues of basic colour and form
- be able to describe and present a project, in images and text
- be able to visualise and present ideas and products, in sketches and models
- be able to build models using model milling machines and other equipment in the model workshop

Course contents

Introduction to different tools and methods that are used in product development. Apply these in a design project, and present the final result of the project in the form of a physical model, a project portfolio and an oral presentation.

The following tools and methods are included in the course:

- Design and project methodology
- Models, the aim of the model, material etc.
- Model building in workshop and handling of model milling machines and other machines
- Design Management
- Presentation techniques
- Graphical design and layout, Adobe CS (Creative Suite)
- Digital visualization techniques in Adobe CS
- Basic colour science
- Semiotics, product expressions etc.
- Intellectual property rights

Course literature

Design Process och Metod. Åsa Wikberg Nilsson.

Examination

- INL1 - Hand in Task, 1.0 credits, grading scale: P, F
- PRO1 - Project Work, 5.0 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.

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.