Syllabus for

Academic year 2009/2010 >

MPP120 - Basic design 1

Syllabus is not yet adopted
Owner: TKDES
6,0 Credits
Grading: UG - Fail, pass
Education cycle: First-cycle
Major subject: Industrial Design Engineering
Department: 44 - PRODUCT AND PRODUCTION DEVELOPMENT

Teaching language: Swedish

	Credit distribution					
Course module	Sp1	Sp2	Sp3	Sp4	Summer course	Examination dates
0104 Written and oral assignments 6,0 c Grading: UG		6,0 c				

In programs
TKDES INDUSTRIAL DESIGN ENGINEERING, Year 1 (compulsory)

Examiner:
Tekniklektor Örjan Söderberg

Course evaluation:
https://document.chalmers.se/doc/1105127919

Eligibility:
For single subject courses within Chalmers programmes the same eligibility requirements apply, as to the programme(s) that the course is part of.

Aim
The course intends to develop knowledge and skills in working with form as the essential design parameter. The course will also provide training in the understanding of form and the ability to assess matters relating to it. The course will provide an orientation in the unlimited potential of form and establish a basis for reaching correct decisions relating to form in forthcoming design projects. Through creative processes pursued by the students on their own, the ability to observe and view the world around us analytically will be acquired, alongside training in creative method.

Learning outcomes *(after completion of the course the student should be able to)*

- identify the geometrical rules relating to forms
- single-handedly devise and shape a number of forms within totally different contexts
- be familiar with the principles for systematic formal design
- be able to answer questions as to how we experience shapes and why
- be able consciously to handle mental experiences and develop his or her own cognitive capacity for the solution of design tasks
- be able to deal with formal problems and relate them to functional demands
- be able to make conscious choices
- to create by means of form.

Content
The sub-sections of the course are: Three-dimensionality
a) analysis of the basic form s geometrical characteristics b) exploration, development and design of variations c) models, documentation

Organisation

The course includes exercises, literature studies and a two-dimensional project work.

Literature

Examination

The grades awarded are Pass and Fail. The grades are based on quality of results achieved in course sub-sections 1 and 2, as documented in a report and as demonstrated in well prepared presentations according to timetable. Attendance at supervision and project reports is obligatory.