Syllabus for

Academic year 2010/2011 >

PPU050 - Basic design 2

Syllabus adopted 2010-02-25 by Head of Programme (or corresponding)
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

Course module	Credit distribution Sp1	Sp2	Sp3	Sp4	Summer course	Examination dates
0105 Written and oral assignments 6,0 c Grading: UG	6,0 c					

In programs
TKDES INDUSTRIAL DESIGN ENGINEERING, Year 2 (compulsory)

Examiner:
Tekniklektor Örjan Söderberg

Course evaluation:
https://document.chalmers.se/doc/1284387168

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

Course specific prerequisites
MPP120 Basic design 1

Aim
The aim of the course is that the student shall develop his or her knowledge and skills in working with colour as the essential design parameter. The course will also provide training in the understanding of and the ability to assess questions relating to colour. The course is intended to provide an orientation in the unlimited potential of colours and to establish a basis for reaching correct decisions for colour design.

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

- be familiar with coloration principles
- be able to answer questions as to how we experience colours and why
- be knowledgeable in the history of colours
- be aware of how easy the eye can be fooled
- be able to master both subtractive and additive colour blending
- be capable to manage computer-controlled colour mixing processes
- be able to make conscious choices
- have learnt to implement colour in an abstract and concrete context.

Content
Through practical experience and deepened insight into colour theory, students shall obtain a clear picture of what colour is and how we can appreciate and consciously handle it. The sub-sections of the course are:
1.) colour blending 2.) colour theory - from colour contrasts to colour systems 3.) design of graphics to visualise colour

contrasts

Organisation

The course includes practical exercises, lectures and seminars, literature studies, a two-dimensional project work and colour design in the second year project (the course Design- and user accommodation).

Literature

- Albers, Josef: -Interaction of Color- - Gerstner, Karl: -Der Geist der Farbe- - Goethe, Johann-Wolfgang: -Goethes färglära- - Heller, Eva: -Wie Farben virken- - Hård, Anders, Svedmyr, Åke: -Färgsystemet NCS - tanke, tillkomst, tillämpning- - Itten, Johannes: -The Art of Color- - Riedel, Ingrid: -Farben in Religion, Gesellschaft, Kunst und Psychotherapie- - Schultze, W.: -Farbenlehre und Farbenmessung- - Swirnoff, Lois: -Dimensional Color- - Zwimpfer, Moritz: -2D- - Zwimpfer, Moritz: -Color: Light, Sight, Sense-

Examination

The grades awarded are Pass and Fail. The grades are based on quality of results achieved in course sub-sections 1, 3 and 4, as documented in a report and as demonstrated in professional presentations according to timetable. Attendance at supervision and project reports is obligatory.