HM1012 Industrial Design with Colour and Form, Intermediate Course 7.5 credits

Industridesign med färg och form II

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

Establishment

Course syllabus for HM1012 valid from Autumn 2007

Grading scale

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

Education cycle

First cycle

Main field of study

Technology

Specific prerequisites

Basic engineering methodology equivalent to course HN1900.
Industrial design with colour and form I, HM1009.
Basic knowledge in any 3D CAD software.

Language of instruction

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

Intended learning outcomes

The primary goal of this course is to provide an overview of the various principles relating to industrial design, color, and form; in order that the student will be able to use these principles within their particular field.

By the end of the course, the student will:

- Have an overall understanding of the various work methods within industrial design
- Have insight into user demands placed on products and be familiar with various methods used to analyze those demands
- Have a basic understanding of sketching and modelling methods for the various phases of the design process
- Be familiar with the study of form and form analysis, the study of color and color selection, typography, graphics, and product labelling.
- Have a basic knowledge of various presentation methods

Course contents

An industrial design project will be completed during the course. With the design process as the starting point, the course will include lectures and exercises in:

- Sketching and modelling methods
- Product design and color selection
- Typography and graphic design
- Documentation and presentation methodology
- The industrial designer's work flow process from idea to finished product

Course literature

A list of course literature is provided at: http://www3.telge.kth.se/maskin/litteratur

Examination

- ÖVN1 - Exercises, 3.0 credits, grading scale: P, F
- PRO1 - Project, 4.5 credits, grading scale: P, 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.

Other requirements for final grade

Project work (PRO1; 4,5 cr.), grades P/F.
Exercises (ÖVN1; 3 cr.), grades P/F.

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.