COURSE SYLLABUS

Industrial Design Project, 9 credits

Industridesignprojekt, 9 högskolepoäng

Course Code:	TIDS29	**Education Cycle:**	Second-cycle level
Confirmed by:	Dean Jun 1, 2019	**Disciplinary domain:**	Technology
Valid From:	Aug 1, 2019	**Subject group:**	DE1
Version:	1	**Specialised in:**	A1F
		Main field of study:	Product Development

Intended Learning Outcomes (ILO)

On completion of the course, the student should

Knowledge and understanding
- Demonstrate knowledge of design management
- Demonstrate knowledge of project management
- Demonstrate knowledge of early stages in the product development process
- Demonstrate knowledge of product design
- Demonstrate an understanding of the product from a sustainability perspective

Skills and abilities
- Demonstrate skills in planning and implementing a design assignment
- Demonstrate the ability to present a design project written and oral
- Demonstrate ability to deal with complex issues and considerations in the product development process

Judgement and approach
- Demonstrate insight into the complex issues affecting the product development process.
- Demonstrate the ability to evaluate a product based on ethical, aesthetic and environmental qualities
- Demonstrate insight and understanding of the product's impact on the individual and society at large.

Contents

The course is structured around a project which aims to develop a design of a product. The project may vary based on the chosen product application. The course includes the following elements normally required to manage the early phases of the product development process.

The course includes the following elements:
- Trend and Market Analysis
- Design Management

- Brand Analysis
- Design theory and design methodology
- Survey of and analysis methods
- Project Methodology
- Form Analysis and Gestaltung
- Semantics, semiotics and aesthetics
- Product Graphics
- Sustainable development and environmental requirements
- Applied project planning and management
- Presentation techniques and project reporting

Type of instruction

Teaching is conductedin the form of problembased learning in projec that serves as application for the outpointed problem. Lectures and practical design work held under supervision.

The teaching is conducted in English.

Prerequisites

Passed courses 180 credits in first cycle, at least 90 credits within the major subject Mechanical Engineering or Civil Engineering (with relevant courses in construction and design), and 15 credits Mathematics. In addition, completed course Design Communication 1, 9 credits and Design Communication 2, 9 credits and English Language requirements corresponding to English 6 or Engelska B in the Swedish upper secondary school (or the equivalent).

Examination and grades

The course is graded Fail (U) or Pass (G).

Registration of examination:

Name of the Test	Value	Grading
Assignments	3 credits	U/G
Project work	6 credits	U/G

Other information

Exemption from entry requirement allowed according to the selection groups of the program, where the course is included.

Course literature

Literature

The literature is preliminary until one month before the course starts.