



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Industridesignprojekt A **Industrial Design Project A**

IDEA21, 6 credits, G1 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED ID

Date of Decision: 2023-03-16

General Information

Main field: Industrial Design. **Depth of study relative to the degree requirements:** First cycle, has less than 60 credits in first-cycle course/s as entry requirements.

Compulsory for: KID1

Language of instruction: The course will be given in English on demand

Aim

The course is an introduction to:

- Creative product development processes and bringing ideas to finished products.
- Different kinds of workmanship as well as an understanding of the possibilities and limitations of different manufacturing processes will be introduced.
- The course introduces strategies for how to create products for a sustainable society.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- Possess the ability to assess the difference between inventions, design and workmanship.
- Possess an understanding of the terminology that a given manufacturing process involves.
- Show an understanding of the issues involved in creating a sustainable society.

Competences and skills

For a passing grade the student must

- Within a given timeframe, demonstrate the ability to apply his/her new skills on a small-scale product development project.

- Be able to present the project to the rest of the group orally during a seminar, with the assistance of a visual/graphic presentation.
- Be able to describe the project in a written report where the design process and the final design solution are presented.

Judgement and approach

For a passing grade the student must

- demonstrate critical thinking and logical basis for their own work.
- reflect the cultural mission and ethical responsibility of the designer.

Contents

The course starts with a study tour during which the students become acquainted with the most common manufacturing processes.

The students are then given the opportunity, in a number of short exercise assignments, to develop their ability to take an idea from thought to finished physical product by carrying out a small-scale product development project. The work is to contain the following stages: idea generation, 2D and 3D sketches, prototype development, presentation.

Introduction to text outline to support the written communication applied in the design project documentation.

A workshop to learn and apply the basics of product photography for print and digital media is integrated in the course.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: 80 % attendance required. The assessment is based on individual and group assignments, project documentation and an oral presentation. If necessary, a written self-evaluation.

The examiner, in consultation with Disability Support Services, may deviate from the regular form of examination in order to provide a permanently disabled student with a form of examination equivalent to that of a student without a disability.

Admission

The number of participants is limited to: No

The course overlaps following course/s: IDEA15, IDEA20

Reading list

- Mollerup, P. : Collapsibles: a design album of space-saving objects. London: Thames & Hudson, 2006. Recommended reading.
- Pye, D. : The Nature and Art of Workmanship. London: Herbert Press Ltd, 1995. Recommended reading.
- Pye, D. : The Nature and Aesthetics of Design. London: Herbert Press Ltd., 1995. Recommended reading.

Contact and other information

Course coordinator: Olof Kolte, Olof.Kolte@design.lth.se

Course homepage: <http://www.ide.lth.se>