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

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