



LUNDS UNIVERSITET
Lunds Tekniska Högskola

Course syllabus

Industridesignprojekt C **Industrial Design Project C**

IDEF11, 11 credits, G2 (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.

Compulsory for: KID3

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

Aim

The student will learn how to work with a design project from a holistic perspective with an extreme user in mind. During the course, the student will learn how to synthesize previously acquired knowledge with new knowledge obtained.

Furthermore, to carry out a design project with the aim of practising theoretical and artistic knowledge.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

- By using previous knowledge of the creative process, be able to identify and analyse a particular user in order to identify needs and to develop an applicable innovative product.
- Develop an individual project description and independently plan the project based on the specific project requirements.
- In a structured manner collect and categorize relevant information and be able to analyse the information.
- Demonstrate a logical and coherent understanding of the chosen project field.
- Identify relevant design methods and apply them in practice.

- Strive to develop new, innovative design concepts based on conclusions from an apparent design process.
- Present the project in a creative, organised and lucid manner with the aid of relevant tools.

Competences and skills

For a passing grade the student must

- Carry out an individual design project within a given time frame and master relevant methods in the design process (e.g. oral presentation, sketching, prototyping, visualization etc.).

Judgement and approach

For a passing grade the student must

- Demonstrate critical thinking and logical basis for one's own work.
- In seminars demonstrate ability to make informed decisions and critically reflect on strengths, weaknesses and consequences of methodological choices including ethical considerations.
- Reflect the cultural mission and ethical responsibility of the designer

Contents

Theoretical and methodological aspects will be applied to and combined with practical exercises using advanced design methods and creative techniques in order to develop a design solution to the initial problem (i.e. the extreme user situation mentioned above). Students are encouraged to update on relevant research findings.

A workshop on design criteria is integrated within the course to develop a specific product by defining its form language and documenting the result using different evaluation methods.

A seminar, including peer reviews, further improves the proficiency in written communication that will be applied in the design project documentation. Students analyse and examine critically their own and others' reports from the design project B. The experiences from the seminar are put into practice by writing a longer project report on design project C.

Examination details

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

Assessment: 80% attendance is required. The assesment is based on a project documentation and an oral presentation.

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: IDEF10

Reading list

- Landqvist, Jan: Vilda idéer och djuplodande analys., Om designmetodikens grunder. Carlsson, 2001, ISBN: 9789172033917. Recommended reading.
- Elam, K.: Geometry of Design- Studies in Proportion and Composition. Princeton Architectural press. , ISBN: 9781568982496. Recommended reading.
- Greet Hannah G.: Elements of Design. Princeton Architectural press, 2002, ISBN: 1-56898-329-8. Recommended reading.
- Wikberg Nilsson Å., Ericson Å, Törlind P.: DESIGN process och metod. Lund. Studentlitteratur AB , 2015, ISBN: 978-91-44-10885-8. Recommended reading.

Contact and other information

Course coordinator: Jasjit Singh, jasjit.singh@design.lth.se

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