



# LTH

FACULTY OF  
ENGINEERING

*Course syllabus*

## Industridesignprojekt B Industrial Design Project B

**IDEA46, 9 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.

**Compulsory for:** KID2

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

### Aim

- Develop the creative ability by making effective use of previous and newly acquired knowledge of design methodology.
- 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

- 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, with some guidance, be able to analyse the information,
- try to demonstrate a logical and coherent understanding of the chosen project field,
- understand a number of different methods used in the field of industrial design; identify, with some guidance, 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 partially master relevant methods in the design process (such as oral presentation, sketching, prototyping, visualization etc.),
- be able to assimilate assigned literature.

### *Judgement and approach*

For a passing grade the student must

- be able to critically reflect over, and by arguing with the central concepts of the discipline, discuss design aspects in relation to their own and others' design projects.
- reflect the cultural mission and ethical responsibility of the designer

## Contents

Lectures on project planning, presentation techniques, aesthetics and 2D rendering techniques.

Learning takes place through lectures and supervision focusing on discussions of individual and group homework. The students are encouraged to update on relevant research findings.

A concept generation workshop is integrated in the course in order to introduce the students to typical studio situations and train their skills and deepen their understanding on idea generation processes, different contexts, product understanding and refinements with emphasis on user behaviour.

As a follow up to the written communication seminar in ID project A, an advanced seminar further improves the proficiency in written communication with the aim to support the design project documentation

## Examination details

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

**Assessment:** 80 % attendance required. The assesment is based on a 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

## Reading list

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

## Contact and other information

**Course coordinator:** Charlotte Sjödel, [charlotte.sjodell@design.lth.se](mailto:charlotte.sjodell@design.lth.se)

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

**Further information:** The course consists of lectures, individual and group critics to evaluate progress and home assignments.