



**LTH**  
FACULTY OF  
ENGINEERING

*Course syllabus*

# Projekt i teknisk design Project in Technical Design

**IDEN55, 15 credits, A (Second Cycle)**

**Valid for:** 2023/24

**Faculty:** Faculty of Engineering, LTH

**Decided by:** PLED ID

**Date of Decision:** 2023-03-16

## General Information

**Compulsory for:** MD4

**Language of instruction:** The course will be given in Swedish

## Aim

To plan and conduct (in groups) a basic industrial design project by applying previously acquired skills.

## Learning outcomes

*Knowledge and understanding*

For a passing grade the student must

be able to analyse the scenario(s) related to a chosen product in order to identify related demands and develop an innovative product, independently using their previously acquired knowledge of the creative process. Aesthetical and communicative aspects shall be incorporated; the result will be presented as model, 3D visualisation and a written report.

*Judgement and approach*

For a passing grade the student must

- reflect the cultural mission and ethical responsibility of the designer

## Contents

The course commences with an introduction, presenting a given case; defining the starting point for a design project relating to the demands analysed and defined. The theoretical and methodological aspects will be applied to and accompanied by practical exercises using new design methods and creative techniques so as to develop a design solution to the initial problem. Previously acquired skills such as sketching, computer aided renderings and model making will be included alongside marketing related aspects (user polls, focus group definitions, mood-boarding, etc).

The course relates to up-to-date research as part of the creative process/method.

## 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

**Assumed prior knowledge:** IDEF20 Project in Technical Design or corresponding course

**The number of participants is limited to:** No

**The course overlaps following course/s:** IDE051

## Reading list

- Jordan J. P. 2000. Designing pleasurable products. An introduction to the new human factors. Taylor & Francis, UK.

## Contact and other information

**Course coordinator:** Jasjit Singh, [jasjit.singh@design.lth.se](mailto:jasjit.singh@design.lth.se)

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

**Further information:** The course is based on lectures and project work with recurring supervision. The course ends with an oral presentation, analysis and group criticism. The project is also presented in written form.