



LTH
FACULTY OF
ENGINEERING

Course syllabus

Designprojekt Project in Technical Design

IDEF20, 10 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: Technology.

Compulsory for: MD3

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 by using their previously acquired knowledge of the creative process. In this work the student is supposed to have knowledge of certain methods and use them as far as possible in this 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 the 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 analysed and defined demands. 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).

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: MMKF01 Product Development and Design Methodology IDEA75 Design Methodology or corresponding courses

The number of participants is limited to: No

Reading list

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

Contact and other information

Course coordinator: Jasjit Singh, 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.