Design Studio II

Programme course

12 credits

Designstudio II

TDDE03

Valid from: 2020 Spring semester

Determined by
Board of Studies for Mechanical Engineering and Design

Date determined
2019-09-23

Main field of study
Product Development

Course level
Second cycle

Advancement level
A1X

Course offered for
- Design and Product Development, M Sc in Engineering

Entry requirements
Note: Admission requirements for non-programme students usually also include admission requirements for the programme and threshold requirements for progression within the programme, or corresponding.

Intended learning outcomes
The main objective is for students to develop advanced design knowledge, skills and attitudes in and about design for service systems, within a given challenge area relating to societal and technical contexts. After the completed course the student shall be able to:

- explain and use theory and design practices and methods from design for service systems
- choose and apply appropriate design methods and tools in a real service system context engaging multiple actors in designing
- reflect on design methods and tools in relationship to service systems and cocreation of values
- reflect on a given theme and its implications within the challenge area, based in an account of its central concepts
- integrate and apply disciplinary skills in a multidisciplinary context.
- Develop understanding of the challenge area and contexts from field work and theory, integrating knowledge from several points of view
- Synthesizing and communicating such knowledge for the benefit of the design work.
- Summarizing and presenting design work in online contexts

Through the course the students will also be given the opportunuity to develop their skills and understanding of design critique, design history and responsible design.

Course content

Students will engage with service systems that presents design challenges interconnected across adaptive systems, policy, user/citizen engagement, co-production, and resource integration. Examples of such challenges can be collected from welfare, wellbeing, healthcare and migration.

The content of the course entails synchron and dischron visualization technuiques, static and dynamic prototyping tools, facilitation practices, modelling in service development, cocreation of values, resource integration, social innovation, design critique, responsible design, judgment of design work.

Teaching and working methods

The course is studio based, with supporting lectures, coaching, supervision and seminars. Students will work both in teams and individually. Supervision and coaching are done by faculty, professional designers and challenge domain experts. The challenge will call for multiple interpretations and designs, from highly social over policy-driven to organisational processes. Results will be presented in various formats, partly exhibited online.

Examination

DES1	Initial design exercise	1 credits	U, G
UPG3	Individual thematic exercise	4 credits	U, 3, 4, 5
DES2	Design project	6 credits	U, 3, 4, 5
UPG4	Individual project material	1 credits	U, 3, 4, 5

The design process, results and analysis are used as the foundation for assessment. Deliberate and well motivated design judgements, choice and synthesis of methods, problem exploration and solutions are signs of higher quality. Excellent quality is judged based on creative and analytic excellence.

The final grade is calculated as the weighted average of the grades of the part examinations.

Grades

Four-grade scale, LiU, U, 3, 4, 5

Other information

About teaching and examination language

The teaching language is presented in the Overview tab for each course. The examination language relates to the teaching language as follows:

- If teaching language is Swedish, the course as a whole or in large parts, is taught in Swedish. Please note that although teaching language is Swedish, parts of the course could be given in English. Examination language is Swedish.
- If teaching language is Swedish/English, the course as a whole will be taught in English if students without prior knowledge of the Swedish language participate. Examination language is Swedish or English (depending on teaching language).
- If teaching language is English, the course as a whole is taught in English. Examination language is English.

Other

The course is conducted in a manner where both men's and women's experience and knowledge are made visible and developed.

The planning and implementation of a course should correspond to the course syllabus. The course evaluation should therefore be conducted with the course syllabus as a starting point.

Department

Institutionen för datavetenskap

Director of Studies or equivalent

Jalal Maleki

Examiner

Stefan Holmlid

Course website and other links

Education components

Preliminary scheduled hours: 96 h
Recommended self-study hours: 224 h