

SYLLABUS

Design: project and depth 15 credits D0045A

Design: projekt och fördjupning

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2022-02-11**

Design: project and depth 15 credits D0045A

Design: projekt och fördjupning

First cycle, D0045A

Education level	Grade scale	Subject	Subject group (SCB)
First cycle	U G VG *	Industriell design	Other Subjects within Technology

Entry requirements

In order to meet the general entry requirements for first cycle studies you must have successfully completed upper secondary education and documented skills in English language and completed the following courses with at least the grade Pass: Design: process and method (D0030A) 15 credits, Design: Interaction and prototypes (D0039A) 15 credits or equivalent knowledge.

Selection

The selection is based on 1-165 credits.

Course Aim

- Demonstrate progression of knowledge within product design, design processes and design methods by identifying, accounting, referencing and related relevant theory and methodology in the field of industrial design engineering
- Demonstrate insights in industrial design engineering, user-centered design and product development by implementing relevant theory and methodology, as well as being able to argue in writing and orally for ideas and solutions in relation to theory
- Demonstrate ability to independently, in dialogue with others, plan, implement and communicate a design project through insight into core values, current products and services, product development strategies, design methodology, usability, and design
- Demonstrate ability to visually, in writing and verbally communicate ideas and solutions in a professional manner
- Demonstrate values in analysis and evaluation of ideas, solutions and concepts based on identified core values, user experience, including user needs and conditions, as well as economic, ecological and socially sustainable development
- Demonstrate an approach that includes professionalism as well as continuous learning and skills development in industrial design engineering
- Show in-depth knowledge of inclusive design
- Demonstrate ability to identify and apply a diversity of user needs and experiences in visual communication, symbols, design and interaction between humans and products
- Demonstrate ability to critically reflect on inclusive design in relation to the project's results and users

Contents

The course is one of the final moments of your education in industrial design engineering and involves independent implementation of a design assignment aimed at applying and deepening skills. The content and implementation of the assignment vary and as far as possible, the student is given the opportunity to work with what is considered most valuable for skills development. Independent work means in this course that a major responsibility is to be responsible, collaborate and lead both yourself and others in the implementation of the project.

- Practical and theoretical reason for industrial design engineering
- Academic writing
- Immersion in Industrial design engineering
- Collaboration
- Physical and visual implementation of design project

Realization

Each course occasion's language and form is stated and appear on the course page on Luleå University of Technology's website.

Kursen består huvudsakligen av professionellt, praktiskt och självständigt genomförande av uppdrag i ett mindre team med stöd av handledare. Uppdragen syftar till att ge dig möjlighet att öva din självständighet och professionalitet, dvs. att tanken är att du ska möta samma typ av frågeställningar och arbetsuppgifter som du senare kommer att möta i din professionella yrkesutövning. Under projektets genomförande ska löpande dokumentering och rapportering ske både till uppdragsgivare och coacher och en dokumentation av projektet.

Examination

If there is a decision on special educational support, in accordance with the Guideline Student's rights and obligations at Luleå University of Technology, an adapted or alternative form of examination can be provided.

Academic writing 4 hp U G VG

Project 9 hp U G VG

Workbook 2 hp U G

Unauthorized aids during exams and assessments

If a student, by using unauthorized aids, tries to mislead during an exam or when a study performance is to be assessed, disciplinary measures may be taken. The term "unauthorized aids" refers to aids that the teacher has not previously specified as permissible aids and that may assist in solving the examination task. This means that all aids not specified as permissible are prohibited. The Swedish version has interpretative precedence in the event of a conflict.

Remarks

The course participants must register themselves, or contact ETKS educational administration eduetks@ltu.se, during the first three days of the term, to not lose their place in the course. This also applies to students with guaranteed place.

Course offered by

Department of Social Sciences, Technology and Arts

Modules

Code	Description	Grade scale	Cr	Status	From period	Title
0001	Academic writing	U G VG *	4	Mandatory	A18	
0002	Project	U G VG *	9	Mandatory	A18	
0003	Workbook	U G VG *	2	Mandatory	A18	

Study guidance

Study guidance for the course is to be found in our learning platform Canvas before the course starts. Students applying for single subject courses get more information in the Welcome letter. You will find the learning platform via My LTU.

Last revised

by Director of Undergraduate Studies Daniel Örtqvist, Department of Social Sciences, Technology and Arts 2022-02-11

Syllabus established

by Director of Undergraduate Studies Daniel Örtqvist, Department of Business Administration, Technology and Social Sciences 2018-02-15