

SYLLABUS

Usability and user experience 7.5 credits D0046A

Användbarhet och användarupplevelse

Course syllabus admitted: Autumn 2023 Sp 1 - Present

**DECISION DATE
2022-02-11**

Usability and user experience 7.5 credits D0046A

Användbarhet och användarupplevelse

First cycle, D0046A

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, Computer-aided Design (M0010T) 7,5 credits, User interfaces: design and implementation (D0031A) 7,5 credits, Computer Aided Industrial Design (D0005A) 7,5 credits, Ergonomics and cognitive (A0017A) 7,5 credits and Graphic Design and Presentation Technique (D0018A) 7,5 credits, or equivalent knowledge.

Selection

The selection is based on 1-165 credits.

Course Aim

The goal is that the student should be able to design products, services, environments or systems that provides a a good user experience and also that the student is able to evaluate the user experience.

- show knowledge of aspects that affect the user experience in a product, service, environment or system
- demonstrate ability to design and develop products and environments based on human physical and mental needs and prerequisites, focusing on usability and user experience
- demonstrate the ability to choose and use appropriate methods for analyzing and evaluating usability and user experience
- demonstrate the ability to critically analyze existing solutions as well as critical reflections on own and other students' solutions from usability and user experience perspectives

Contents

The course deals with the design and evaluation of products, services, environments or systems with a user-centered perspective. The course is clearly user-centered with the purpose of learning more about designing products or systems that are easy-to-use and easy to understand. The course also deals with how products can be adapted to give the user a good experience when using the product. To ensure the effectiveness of a design on these aspects, the course also deals with how these products can be tested and evaluated if the design fits the user.

Realization

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

The course is conducted in the form of lectures and independent work in the form of assignments and exercises, individually or in groups.

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.
Hand-ins U G VG 7,5 credits

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	Assignment reports	U G VG *	7.5	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