



Course syllabus

Användbarhetsutvärdering Usability Evaluation

MAMF50, 7,5 credits, G2 (First Cycle)

Valid for: 2023/24

Faculty: Faculty of Engineering, LTH

Decided by: PLED C/D

Date of Decision: 2023-04-18

General Information

Elective Compulsory for: MVAR2

Elective for: C4-da, D5-se, MD4

Language of instruction: The course will be given in English

Aim

This course is focused on how to investigate and evaluate interactive products. Key concepts are Usability and User Experience. What do they mean? How do you know if a product has good usability, and how do you measure it? When investigating a product's usability, one can employ a wide array of different methods/techniques.

One such method is user testing, which has much in common with experimental research.

This course will especially deal with how to plan and conduct user testing.

Learning outcomes

Knowledge and understanding

For a passing grade the student must

Have knowledge of central concepts such as Usability, User Experience (UX) and User-Centered Design (UCD).

Have knowledge of various methods and techniques for investigating and evaluating usability/user experience.

Have knowledge of how to plan and conduct user tests, with respect to purpose, research questions and test design.

Competences and skills

For a passing grade the student must

Have skills in creating a test plan, preparing materials, and executing user tests.
Have skills in selecting and dealing with test participants.
Have skills in observing performance, as well as inquiring participants.
Have skills in analyzing results, drawing conclusions and reporting the investigation.

Judgement and approach

For a passing grade the student must

Be able to value the suitability of different methods and techniques in relation to the purpose and available resources.
Be able to value uncertainties and shortcomings in results.

Contents

Lectures along with project work where the students create a test plan, prepare test materials, and carry out user tests.

Examination details

Grading scale: TH - (U,3,4,5) - (Fail, Three, Four, Five)

Assessment: Project in combination with a written examination.

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.

Parts

Code: 0118. **Name:** Usability Evaluation.

Credits: 7.5. **Grading scale:** TH.

Code: 0218. **Name:** Project.

Credits: 0. **Grading scale:** TH.

Admission

Assumed prior knowledge: MAMN25 Interaction Design or MAMA20 Cognition & Interaction Design

The number of participants is limited to: No

The course overlaps following course/s: MAM120

Reading list

- Rubin, Jeffrey & Chisnell, Dana: "Handbook of Usability Testing" (2nd edition), John Wiley & Sons Inc (2008).
- Lecture notes.

Contact and other information

Course coordinator: Joakim Eriksson, joakim.eriksson@design.lth.se

Course homepage: <http://www.design.lth.se>

Further information: Mandatory: Introduction lecture, assignments, project-presentation.