



**LUNDS UNIVERSITET**  
Lunds Tekniska Högskola

*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.