



Interaction Design: Usability and Interaction in Digital Environments Interaktionsdesign: användbarhet och interaktion i digitala miljöer

7.5 credits

Ladok Code: 32LIA1

Version: 4.1

Established by: Committee for Education in Librarianship, Information, and IT 2017-01-31

Valid from: Spring 2017

Education Cycle: Second cycle

Main Field of Study (Progressive Specialisation): Library and Information Science (A1N)

Disciplinary Domain: other

Prerequisites: Degree of Bachelor.

Subject Area: Library and Information Science

Grading Scale: ECTS-credits

Content

The course is intended to introduce the students to interaction design as disciplinary and professional domain and develop independent abilities to apply theories and methods for the development of digital services for different target groups and purposes. The course comprises the following main elements:

- Foundational design concepts and principles
- The design process.
- Personas, scenarios, contextual inquiry and prototypes (design tools and methods).

Learning Outcomes

After completion of the course the student should be able to, concerning,

Knowledge and Understanding

- 1.1 Demonstrate fundamental concepts, theories and methods in interaction design,
- 1.2 Demonstrate advantages and disadvantages of good/bad interaction design,
- 1.3 Describe common indicators in the area of performance measurement.

Competence and skills

- 2.1 Plan and implement basic investigations of target groups and their needs,
- 2.2 Plan and implement basic investigations of users' interactions with digital resources or their prototypes,
- 2.3 Analyse empirical material and develop prototypes for digital services,
- 2.4 Present and motivate arguments in favour of development of interfaces and functionalities based on established theories and principles of interaction design.

Judgement and approach

- 3.1 Analyse and critically evaluate a particular interaction design project.

Forms of Teaching

Teaching and course work comprises written assignments, seminars, lectures, practical demonstrations, supervision and log document.

The language of instruction is English.

Forms of Examination

The course is examined through the following examination forms:

- Group project: written assignment – report

Learning Outcome: 1.1-1.3

Points: 2.0

Grading scale: Pass (G) or Fail (U)

- Group project: written assignment – interaction design project

Learning Outcome: 2.1-2.4

Points: 4.5

Grading scale: A-F

- Oral presentation

Learning Outcome: 3.1

Points: 1.0

Grading scale: Pass (G) or Fail (U)

The grades for the two project tasks are determined based on a log document that documents each individual's contribution to the project activities during the course. For a passing grade (A-E) on the entire course, the grade Pass (G) is required on *Group project: written assignment – report* and *Oral presentation* together with at least grade E on *Group project: written assignment – interaction design project*. A higher grade on the entire course is thereafter determined by the grade on *Group project: written assignment – interaction design project*.

In the event of changes in course plans students who wish to complete courses can be examined on the basis of the most recent version of the course plan. For courses that are no longer running, students who wish to complete such courses can read all or part of an equivalent course.

Student rights and obligations at examination are in accordance with guidelines and rules for the University of Borås.

Literature and Other Teaching Materials

The course literature is in English.

Krug, S. (2014). *Don't Make Me Think, Revisited: A Common Sense Approach to Web Usability* (3rd ed.) New Riders, USA (190 pages)

Sharp, H., Rogers, Y. & Preece, J. (2015). *Interaction Design: Beyond Human-Computer Interaction* (4th ed.). Chichester: Wiley. (522 pages) [Available electronically]

Individually retrieved literature to be added, app. 50 pp.

Student Influence and Evaluation

The course is evaluated in accordance with the current guidelines for course evaluations at the University of Borås, where students' views should be sought. The course evaluation report will be published and disseminated to participating and prospective students in accordance with the current guidelines, and forms the basis for future development of courses and training programs. The course coordinator is responsible for that the evaluation is performed according to current guidelines.

Miscellaneous

The course is a part of Mastersprogramme Library and Information Science, Digital Library and Information Services.