



Course syllabus

Faculty of Technology

Department of Computer Science and Media Technology

1ME403 Design av grafiska gränssnitt, 7,5 högskolepoäng

Design of Graphical Interfaces, 7.5 credits

Main field of study

Media Technology

Subject Group

Informatics/Computer and Systems Sciences

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved 2012-12-10

Revised 2020-06-12 by Faculty of Technology. Literature list is revised.

The course syllabus is valid from autumn semester 2020

Prerequisites

- 1ME402 Graphical tools, 7.5 credits or equivalent
- 1IK422 Methodology of Interaction Design I, 7.5 credits or equivalent

or

- 1ME102 Design of Interactive Media 15hp or equivalent
- 1ME106 User-centered Interface Design 7,5hp or equivalent

Objectives

After completion of the course the student is expected to:

- account for the graphical interface's communicative purpose and function
- demonstrate in-depth knowledge about the layout of graphical interfaces
- demonstrate in-depth knowledge about interface components' function and areas of use
- design efficient, useable and aesthetically pleasing graphical user interfaces
- construct interactive user interface prototypes
- make use of interactive user interface prototypes to communicate design ideas to users and developers

Content

In the course the student learns to design efficient, useable and aesthetically pleasing graphical user interfaced based on theoretical understanding and insights. The student also learns to make use of prototyping techniques to communicate and discuss design solutions both with users/clients and system engineers/programmers.

Type of Instruction

The course is comprised of theoretical lectures and discussion seminars, and practical exercises and workshops.

The course is available on campus or as a distance learning course. A web-based learning platform is used to distribute information and materials.

Following the course over distance requires access to an Internet-connected computer.

Examination

The course is assessed with the grades U, 3, 4 or 5.

For a passing grade, the expected learning outcome has to be achieved.

Grades are given after the completion of the course and based on submitted and approved assignments. Grades on assignments are U/G or U/3/4/5.

A second examination is offered within six weeks during ordinary semester period. The number of examinations is limited to five times.

Course Evaluation

During the course or in close connection to the course, a course evaluation is to be carried out. The result and analysis of the course evaluation are to be communicated to the students who have taken the course and to the students who are to participate in the course the next time it is offered. The course evaluation is carried out anonymously. The compiled report will be filed.

Required Reading and Additional Study Material

Obligatory literature

Tidwell, Jenifer, Brewer, Charles, & Valencia, Aynne. (2020). *Designing interfaces*. O'Reilly. Senaste upplagan.