



Course syllabus

Faculty Board of Science and Engineering
School of Computer Science, Physics and Mathematics

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 by the Board of the School of Computer Science, Physics and Mathematics
2012-12-10

The course syllabus is valid from autumn semester 2013

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. On request, students may have their credits translated to ECTS-marks. Such a request must be sent to the examiner before the grading process starts.

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

A course evaluation will be carried out at the end of the course in accordance with the guidelines of the University. The result of the course evaluation will be filed at the department.

Required Reading and Additional Study Material

Obligatory literature

Tidwell, Jenifer. *Designing Interfaces*. O'Reilly Media. Latest edition.