



## COURSE DATASHEET

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| <b>Semester:</b>               | 2016/17/2  |
| <b>Course:</b>                 | User Interface Design  |
| <b>Code:</b>                   | VEMIKN5312I  |
| <b>Responsible department:</b> | Department of Electrical Engineering and Information Systems |
| <b>Department code:</b>        | MIVIR  |
| <b>Responsible instructor:</b> | dr. Cecilia Sikné Lányi                                      |

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### Course objectives:

The purpose of this subject is to let the students know the basics of user interface design. The main topics covered are universal design, design for users with special needs. The subject demonstrates the problems of users with special needs and the technologies provided for their assistance. As a semester closing work the students (working in groups of 2 or 3) have to design a software or webpage covering one of the topics introduced during the semester.

### Course content:

Questions of user interface The used media: text, graphics, video, animations The basics of user interface design Users with special needs Assistive technologies Usability and user friendly design Universal design – design for all Web Content Accessibility Guidelines Trends, style, future?

### Requirements, evaluation and grading:

There are 2 written tests during the semester. The final mark shall be given taking the result of the 2 tests, the semester closing work and the oral demonstration into consideration.

### Required and recommended readings:

W3C: Web Content Accessibility Guidelines 1.0: <http://www.w3.org/TR/WAI-WEBCONTENT/> W3C: Web Content Accessibility Guidelines 2.0: <http://www.w3.org/TR/WCAG20/> Universal Usability in Practice: <http://www.otal.umd.edu/uupractice/> Ben Shneiderman: Leonardo's Laptop, MIT Press, ISBN 0-262-19476-7 Ben Shneiderman: Designing the User Interface, Addison Wesley, ISBN 0-201-69497-2 Alan Dix, Janet Finlay, Gregor Abovd, Russel Beale: Human-Computer-Interaction, Prentice Hall Europe, ISBN 0-13-239864-8