



Course syllabus

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

1ME102 Design av interaktiva medier, 15 högskolepoäng
Design of Interactive Media, 15 credits

Main field of study

Media Technology

Subject Group

Media Production

Level of classification

First Level

Progression

G1F

Date of Ratification

Approved by the Board of the School of Computer Science, Physics and Mathematics
2009-09-08

Revised 2010-08-03. Revision of prerequisites, literature lists and course evaluation.

The course syllabus is valid from spring semester 2011

Prerequisites

General entry requirements and Web design (1ME101), 15 credits or the equivalent.

Expected learning outcomes

- understand various aspects of multimedia, such as narration and accessibility
- independently be able to design and edit digital media
- be able to design dynamic, multimedia applications
- understand and be able to practice principles of design of interactivity among users and multimedia applications
- know how to program interactivity with script languages for multimedia tools.

Content

The course handles:

- how to communicate with sound --physical properties, sound, editing, sound format, hardware, adaptive sound, language of sounds
- how to communicate with images --edit, format, compression, pictorial language
- how to communicate with text --font, readability, language
- how to create multimedia --authoring tools, script programming, interactivity, design methods, accessibility.

Type of Instruction

The campus course is based mainly on lectures, seminars, tutorials and practicals.

For distance course, the communication is conducted through a learning management system over the Internet.

Practical work is conducted individually or in groups. Attendance is mandatory for some sessions.

Examination

The course is assessed with the grades Fail (U), Pass (G) or Pass with Distinction (VG).

Written examination and/or assignments which are presented orally and/or in written form. The assessment method is decided at the start of the course.

Students who do not pass the regular examination are given the opportunity to do a resit examination shortly after the regular examination. Hand-in assignments must always be submitted by the due date.

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.

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

Course litterture

Chapman, N. & Chapman, J. Digital Multimedia Wiley, senaste upplagan. 415 (679) sidor.

Kelby, S., 2009: The Adobe Photoshop CS4 book for digital photographers. New Riders ;
Pearson Education [distributör], Indianapolis, Ind.
London.

Viers, R., 2008: The sound effects bible : how to create and record Hollywood style sound effects. Published by Michael Wiese Productions, Studio City, CA.

Webster, S., Yard, T. and McSharry, S.
Foundation Actionsript 3.0 with Flash CS3 and Flex (Foundation), {friends of ED}, Berkeley (CA, USA), senaste upplagan
450 (450) sidor.

Verva Vägledningen 24-timmarswebben [Elektronisk resurs]: effektivare och säkrare service på webbplatser i offentlig sektor, Verva, Stockholm. 2007 Tillgänglig:
<http://www.eutveckling.se/riktlinjer/webb/>
143(158) sidor.

DFM, Web baserat material, Linnéuniversitetet, aktuellt år, c:a 300 sidor.

Literature

Chapman, N. and Chapman, J., 2004: Digital multimedia. Wiley, Chichester.

Kelby, S., 2009: The Adobe Photoshop CS4 book for digital photographers. New Riders ;
Pearson Education [distributör], Indianapolis, Ind.
London.

Kilian, C., 2009: Writing for the Web. Self Counsel Press.

Verva, 2007: Vägledningen 24-timmarswebben [Elektronisk resurs] : effektivare och säkrare service på webbplatser i offentlig sektor, Verva, Stockholm.

Viers, R., 2008: The sound effects bible : how to create and record Hollywood style sound effects. Published by Michael Wiese Productions, Studio City, CA.

DFM, Web based material, Linnæus University, current year, app. 300 pages.

Required reading

Bergström, B. *Effektiv visuell kommunikation* Carlssons bokförlag AB, senaste upplagan
300 (317) pages.

Chapman, N. & Chapman, J. *Digital Multimedia* Wiley, senaste upplagan. 415 (679) pages.

Löwgren, J. and Stolterman, E. *Design av informationsteknik: materialet utan egenskaper*, Studentlitteratur, Lund., senaste upplagan, 250(264) pages.

Verva *Vägledningen 24-timmarswebben* [Elektronisk resurs]: effektivare och säkrare service på webbplatser i offentlig sektor, Verva, Stockholm. 2007 Tillgänglig:
www.verva.se/upload/publikationer/2006/vagledningen-24-timmarswebben-2006-05.pdf
143(158) pages.

Wardrip-Fruin, N. *First Person: New Media as Story, Performance, and Game*, The MIT Press, Cambridge, MA. , senaste upplagan
340(354) pages.

Yard, T., Webster, S. and McSharry, S.
Foundation Actionscript 3.0 with Flash CS3 and Flex (Foundation), {friends of ED}, Berkeley (CA, USA), senaste upplagan
450 (450) pages.

DFM, *Web based material*, Linnæus University, current year, app. 300 pages.