t.WWD - Web-Publishing und Web-Design

Person responsible for the course:	Gerrit Burkert, bkrt
Credits:	4
Valid for:	2010/2011
Last saved:	31.08.2010 12:00

Learning objectives:

Profound knowledge of current web technologies: Standards of the W3C and current developments in this area. These are among others HTML and XHTML, CSS, and XML. To be able to create web pages and web applications corresponding to the criteria of modern webdesign, including: Correct application of the technologies, semantic markup, flexible CSS layouts and as far as possible accessibility. Knowledge about current developments in client and server side scripting languages. Knowledge about the structure and use of certain types of web applications (CMS, Wikis, ...).

Course content:

Lectures

Basics: Protocols, Languages, Tools, current trends in web development. Formal Aspects: XML, HTML, XHTML, DTDs and XML Schema. Presentation of the content: CSS layouts, XSL. Client Scripts: advanced JavaScript, DOM, asynchroneous client server communication, Ajax, JavaScript Libraries. Server Scripts: PHP object oriented, code repositories, DB abstraction. Web frameworks, template engines, GUI libraries. Web content management and Wikis.

Exercices

Doing a web project. Alternatively single exercises matching the topics covered in the lectures.

Previous knowledge:

Basic knowledge in HTML and CSS, as learned in the courses INSY and WEBT.

Teaching method:

Type of lesson:	Number of lessons per week:
Lecture	14*2
Tutorial/Practicum	14*2
Group teaching	
Block instruction	
Seminar	

Assessment:

According to the table or as specified in writing by the lecture at the beginning of the semester!

Number	Type	Weighting
1	End of term exam	2/3
1	Exam during the semester	1/6
1	Further assessments	1/6

Language of instruction:

German

Instruction material:

Slides used in the lectures will be available as PDF.

Comments:

-

German

Instruction material: