

## t.WBD - Web-Design

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**Person responsible for the course:** Gerrit Burkert, bkrt

**Credits:** 4

**Valid for:** 2011/2012

**Last saved:** 31.08.2011 17:10

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### Learning objectives:

This course covers an introduction to basic web concepts. The students will be able to design and implement static websites according to the criteria of modern web design. They will know how to treat content and logical structure of web pages isolated from the presentation and create the pages with standards compliant markup (HTML). With the help of Cascading Stylesheets (CSS), the pages can be augmented by an appearance suitable for various types of user agents. Knowing the basics of client side and server side programming, the students will be able to create dynamic web pages. The students will know the criteria of good visual design and how web pages should be designed in order to be usable and accessible.

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### Course content:

Markup in the Web (8 lessons):

Overview (browser, server, protocols, Content and logical structure of documents, build the pages using HTML, standard compliant markup, introduction to XML

Presentation (6 lessons):

Introduction to Cascading Style Sheets (CSS), layouts with CSS

Client-side and server-side programming (8 lessons):

Introduction to JavaScript and JSP

Design, usability, accessibility (6 lessons):

Design principles, how to build usable and accessible web pages

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### Previous knowledge:

None

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### Teaching method:

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

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**Assessment:**

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

<b>Number</b>	<b>Type</b>	<b>Weighting</b>
1	End of term exam	60/90
1	Exam during the semester	12/90
1	Further assessments	18/90

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**Language of instruction:**

German

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**Instruction material:**

The slides used in the lectures will be available as PDF documents.

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**Comments:**

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