

Web Engineering

Formal Details of the Module

module no.	location in course of study 1 st year	duration 1 term	responsibility	language English
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Teaching Methods

teaching forms lecture, tutorial, lab work	teaching methods lecture, discussion, lab work
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Forms of Examination

examination forms written exam or combined examination	exam duration (in minutes)	Grading yes
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Workload and ECTS Credit Points

total workload (in hours) 90	of which online 48	of which self-study 42	ECTS 3
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Qualification Goals and Competences

professional competence

Students relate the developed theories and models to their experiences from professional practice and can assess their limits and practical applicability.

methodical competence

Upon completion of the module, students are able to select and apply the appropriate method for largely standardised use cases in practice. They know the strengths and weaknesses of the method in their professional field of application and can weigh these against each other in concrete situations.

personal and social competence

Students can act independently as well as in a team in a goal-oriented and sustainable way.

interdisciplinary competence

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Learning Units and Contents

teaching and learning units	online	self-study
Web Engineering 1	36	39

- Introduction to HTML and CSS in the current version
- Basics of internet protocols and their associated technologies
- Consideration of a client-side programming language and/or one or more server-side programming language
- Optional: Document mark-up language XML
- Optional: Special document types for displaying 2D or 3D graphics
- Optional: Basics of media design, if not already covered in other modules

- Practical exercises on HTML basics
- Practical exercises on the programming language(s) introduced in the lecture

Specifics

The duration of the examination refers to the written exam.

Prerequisites

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Literature
