Course Manual WA

Web Architectures

Version: 1 | Last Change: 30.07.2019 15:11 | Draft: 0 | Status: vom verantwortlichen Dozent freigegeben

- General information

Long name	Web Architectures
Approving CModule	WA BaTIN
Responsible	Prof. Dr. René Wörzberger Professor Fakultät IME
Valid from	summer semester 2022
Level	Bachelor
Semester in the year	every semester
Duration	Semester
Hours in self-study	78
ECTS	5
Professors	Prof. Dr. René Wörzberger Professor Fakultät IME
Requirements	 (1) advanced programming skills in Java (2) experiences with development projects in teams (3) basic knowledge in software engineering
Language	German, English if necessary
Separate final exam	Yes

Literature

wird in Vorlesung bekannt gegeben

Final exam	
Details	The final exam is either written or oral. Guided by stepwise assignments, students have to demonstrate how they develop a simple yet dynamic web application.
Minimum standard	Some basic knowledge in the aforementioned topics must be demonstrated. Usually, in written exams 50% of all exam points suffice.
Exam Type	EN Klausur

- Lecture / Exercises

earning goals		Special requirement	nts
Goal type Des	cription	none	
of tl Hyp Trar con	basic standards and techniques he World Wide Web, like the pertext Transfer Protocol (HTTP), nsport Layer Security (TLS), stituents of URLs etc.; browser technologies like the	Accompanying material	
Нур (НТІ	pertext Markup Language ML), Cascading Stylesheets S), Javascript and common	Separate exam	
and	their constituents like the		
Loa	nain Name System (DNS), d-Balancer, Web-Server, or ntent Delivery Networks (CDN). sroom teaching		
Loa Con	d-Balancer, Web-Server, or htent Delivery Networks (CDN).		
Loa Con	d-Balancer, Web-Server, or atent Delivery Networks (CDN).		
Loar Con Expenditure class	d-Balancer, Web-Server, or ntent Delivery Networks (CDN). croom teaching <u>Attendance (h/Wk.)</u> 2		
Load Con Expenditure class Type Lecture	d-Balancer, Web-Server, or ntent Delivery Networks (CDN). croom teaching <u>Attendance (h/Wk.)</u> 2		

Separate exam	(3) assignment sheets
material	(2) lecture notes (tbd)
Accompanying	(1) lecture slides

- Practical training

earning go	pals	Special requirement	S
Goal type	Description	none	
Skills	Based on given requirements (user stories) students develop a web application in several stages (1) beginning with a static web site, (2) a dynamic web site that is rendered on the server ending with (3) a full-fledged, dynamic single- page application that is rendered partly on the server and partly in the browser.	Accompanying material	(1) assignment sh for the prepared (home work) of t course (2) assignment sh for the on-site pa the lab course
		Separate exam	Yes
Expenditure Type	e classroom teaching Attendance (h/Wk.)	Separate exam	
Practical train	ning 1	Exam Type	EN Projektaufgal Team bearbeiter im Praktikum)
		Details	Solutions of the work and on-site the lab course ha be demonstrated student teams ar be discussed wit supervisors. In ca sufficient solutio quality members respective team pass for the lab o part. There are a to 4 lab course p each term.
		Minimum standard	Solutions must v

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