Julius-Maximilians-UNIVERSITÄT WÜRZBURG

Module description

Module title					Abbreviation
Control Principles of Modern Communication Systems					10-I-SKS-242-m01
Module	coord	inator		Module offered by	
holder of the Chair of Computer Science			e III Institute of Computer Science		
ECTS Method of grading		Only after succ. compl. of module(s)			
5	nume	rical grade			
Duration		Module level	Other prerequisites		
1 semester		undergraduate			
Contents					
 Control Mechanisms of Modern Communication Systems Multimedia Networking Broadband Access Networks Mobile Communication Systems Home Access Networks Current trends such as Internet of Things (IoT) Software Defined Networking (SDN) Control mechanisms implemented and deployed on the Internet 					
Introduction of analytical performance evaluation					
The students possess advanced knowledge regarding the structure, architecture and control mechanisms of mo- dern communication systems and are able to apply it to evaluate systems and protocols within simulations and measurement setups. In addition, students have gathered insights of the basic methodologies in the field of analytical performance evaluation.					
Courses (type, number of weekly contact hours, language — if other than German)					
V(2) + U(2)					
Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)					
written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (ap- prox. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus					
Allocation of places					
Additional information					
Workload					
150 h					
Teaching cycle					
Referred to in LPO I (examination regulations for teaching-degree programmes)					
Module appears in					
Module studies (Bachelor) Computer Science (2019)					
Bachelor's degree (1 major) Artificial Intelligence and Data Science (2024)					

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