

Module title		Abbreviation
Control Principles of Modern Communication Systems		10-I-RK-212-m01
Module coordinator		Module offered by
holder of the Chair of Computer Science III		Institute of Computer Science
ECTS	Method of grading	Only after succ. compl. of module(s)
5	numerical grade	--
Duration	Module level	Other prerequisites
1 semester	undergraduate	--
Contents		
<p>The module teaches control principles in the Internet, in computer networks and modern communication systems, central and distributed mechanisms for control and data exchange, architecture and basic mechanisms in current broadband and home access networks. Simple methods of assessing performance and an introduction to traffic theory are given.</p>		
Intended learning outcomes		
<p>The students have extensive knowledge of the structure, architecture and control principles of modern communication systems and can apply the knowledge to evaluate the systems and protocols in simulations and measurements. They also get to know basic methods for theoretical analysis.</p>		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (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)		
<p>written examination (approx. 60-120 minutes) if announced by the lecturer, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 15 minutes) Language of assessment: German and/or English creditable for bonus</p>		
Allocation of places		
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Additional information		
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Workload		
150 h		
Teaching cycle		
Teaching cycle: every year, winter semester		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
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Module appears in		
Bachelor' degree (1 major) Computer Science und Sustainability (2021)		