

Module title		Abbreviation
Computer Science Education 1 (incl. Practical Course in the Application of Computer Science Systems form an Educational Point of View)		10-I-DDI1-152-m01
Module coordinator		Module offered by
Dean of Studies Informatik (Computer Science)		Institute of Computer Science
ECTS	Method of grading	Only after succ. compl. of module(s)
6	numerical grade	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
The module gives an overview of computer science didactics. It demonstrates and discusses possibilities for a practical application in the classroom.		
Intended learning outcomes		
Students are familiar (in particular in the area of computer science in <i>Sekundarstufe I</i>) with methods, techniques and media for teaching topics in computer science. They are able to didactically analyse and prepare practical topics. Students are familiar with both historical and current teaching approaches, typical teaching methods as well as guidelines and standards for teaching computer science. They are able to plan, organise and deliver classes.		
Courses (type, number of weekly contact hours, language – if other than German)		
V (2) + Ü (2) + P (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 (approx. 15 minutes per candidate). creditable for bonus		
Allocation of places		
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Additional information		
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Workload		
180 h		
Teaching cycle		
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Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 49 I Nr. 2 § 69 I Nr. 2		
Module appears in		
First state examination for the teaching degree Realschule Computer Science (2015) First state examination for the teaching degree Gymnasium Computer Science (2015)		