

Module description

Module title Abbreviation					
	-	- aulu -			
Computer Science for Space Engineering 10-I=CSSE1-182-m01					
Module coordinator			Module offered by		
holder of the Chair of Computer Science		ence VII	Institute of Computer Science		
ECTS Method of grading Only after succ. compl. of module(s)		npl. of module(s)			
5 nur	nerical grade				
Duration	Module level	Other prerequisites	ner prerequisites		
1 semester graduate					
Contents					
The topics of this course cover the broad spectrum that is needed for programming satellite systems. This includes close-to hardware programming as well as high level topics such as virtual machines and concurrency. Algorithms and data structures form the frame, where the special topics of computer science for space engineering are taught.					
Intended learning outcomes					
efficient data structures are in focus of the course. In practical programming tasks/assignments within this module, students will be made familiar with virtual machines, such that they are enabled to set up their own virtual machine for a satellite system. Courses (type, number of weekly contact hours, language — if other than German) $V(2) + \ddot{U}(2)$					
Module taught in: English 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. 90 to 120 minutes) Language of assessment: 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					
Master's degree (1 major) Satellite Technology (2018)					

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