

Module title		Abbreviation
Hands-on Computer Science		10-I-DPP-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	(not) successfully completed	--
Duration	Module level	Other prerequisites
2 semester	undergraduate	--
Contents		
Design and implementation of a school project on a topic in computer science, e. g. for project days, school term papers (<i>Facharbeiten</i>), <i>Pluskurse</i> (additional courses for the in-depth study of areas of special interest), workshops. In the theoretical phase, the students formulate the subject-specific and didactic requirements of the topic, search for a suitable topic, elaborate this topic for the project and draw up a project plan. This is done in groups with students providing each other with advice as well as challenging and reflecting on each other's work. In the practical phase, the students prepare the implementation of the project, implement the project with pupils and afterwards reflect the planning and implementation.		
Intended learning outcomes		
The students are able to select a topic from the area of computer science that is suitable for a school project and are able to elaborate it. They are familiar with different aspects of project planning and management and are able to critically reflect the process.		
Courses (type, number of weekly contact hours, language — if other than German)		
Ü (2) + S (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)		
practical assignment (preparing and delivering a school lab session) with examination talk (approx. 15 minutes) Assessment offered: Only in the semester in which the course is offered		
Allocation of places		
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Additional information		
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Workload		
180 h		
Teaching cycle		
Teaching cycle: Usually every 2 years		
Referred to in LPO I (examination regulations for teaching-degree programmes)		
§ 22 II Nr. 2 f) § 22 II Nr. 3 f)		
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)		
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