Module title			Abbreviation
MCS Project Computer Science			10-MCS-Proj-Info-152-m01
Module coordinator		**Module offered by**	
holder of the Chair of Computer Science IX		Institute of Computer Science	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
12	numerical grade	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	undergraduate	--	

Contents

The module provides basic knowledge of the collaborative development process of software. This includes both the creation and execution of requirements analyses, the design of the software architecture, its implementation and evaluation. The necessary activities are carried out independently in groups of 8-10 students. Presentations and discussions help the student groups improve their teamwork skills, become familiar with the required technologies and activities, and organize the project as a whole.

Intended learning outcomes

After participating in the module courses, students are able to develop software collaboratively. They can elicit, specify, analyze, and validate software requirements. Students are able to independently familiarize themselves with new software technologies and frameworks and use them to develop software. In addition to these technical and methodological competencies, students will be able to apply best practices for effective teamwork, such as evaluation methods, communicating expectations, and dealing with problems.

Courses (type, number of weekly contact hours, language — if other than German)

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Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

report (approx. 10 pages)
Language of assessment: German and/or English
creditable for bonus

Allocation of places

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Additional information

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Workload

360 h

Teaching cycle

Teaching cycle: every semester

Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

Bachelor's degree (1 major) Human-Computer Systems (2015)
Bachelor's degree (1 major) Human-Computer Systems (2016)
Bachelor's degree (1 major) Human-Computer Systems (2018)
Bachelor's degree (1 major) Human-Computer Systems (2022)