

Module: Software Architecture

Level	Bachelor	Short Name	isaqb
Responsible Lecturers	Zachow, Milena, Prof. Dr.		
Department, Facility	Electrical Engineering and Computer Science		
Course of Studies	International Track		
Compulsory/elective	Compulsory elective	ECTS Credit Points	5
Semester of Studies	(Unspecified)	Semester Hours per Week	4
Length (semesters)	1	Workload (hours)	150
Frequency	SuSe	Presence Hours	60
Teaching Language	German/English	Self-Study Hours	90

The following section is filled only if there is **exactly one** module-concluding exam.

Exam Type	Portfolio Exam	Exam Language	German/English
Exam Length (minutes)		Exam Grading System	One-third Grades
Learning Outcomes	<p>Students know the basic concepts, principles, patterns, procedures and methods of software architecture and can evaluate and apply these to their own projects.</p> <p>The material is taught according to the iSAQB syllabus so that students can take the iSAQB CPSA Foundation Level certification at the end of the course.</p>		
Participation Prerequisites			

The previous section is filled only if there is **exactly one** module-concluding exam.

Consideration of Gender and Diversity Issues	<ul style="list-style-type: none"> ✓ Use of gender-neutral language (THL standard) ✓ Target group specific adjustment of didactic methods ✓ Making subject diversity visible (female researchers, cultures etc.)
Applicability	
Remarks	

Module Course: Software Architecture lecture

(of Module: Software Architecture)

Course Type	Lecture	Form of Learning	Presence
Mandatory Attendance	no	ECTS Credit Points	2
Participation Limit		Semester Hours per Week	2
Group Size		Workload (hours)	60
Teaching Language	German/English	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	30
SL Length (minutes)		SL Grading System	

The following section is filled only if there is a course-specific exam.

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites	Knowledge of programming, Software- and Web-Engineering I		

The previous section is filled only if there is a course-specific exam.

Contents	<ol style="list-style-type: none"> 1. basics 2. design and development 3. description and communication 4. architecture and quality 5. examples
Literature	You can find the exact syllabus and recommended reading at https://www.isaqb.org/ .
Remarks	

Module Course: Software Architecture lecture (lab)

(of Module: Software Architecture)

Course Type	Practical Training	Form of Learning	Presence
Mandatory Attendance	yes	ECTS Credit Points	3
Participation Limit		Semester Hours per Week	2
Group Size	12	Workload (hours)	90
Teaching Language	German/English	Presence Hours	30
Study Achievements ("Studienleistung", SL)		Self-Study Hours	60
SL Length (minutes)		SL Grading System	One-third Grades

The following section is filled only if there is a course-specific exam.

Exam Type		Exam Language	
Exam Length (minutes)		Exam Grading System	
Learning Outcomes			
Participation Prerequisites			

The previous section is filled only if there is a course-specific exam.

Contents	The lab serves to apply the content presented in the lecture.
Literature	
Remarks	