Module description: Bachelor Thesis: Computer Science

Module Code	t.BA.IT.BA.19HS
ECTS Credits	12
Language of Instruction/Examination	German
Organizational Unit	IEM Ltg.
Module Coordinator	Olaf Stern
Legal Framework	The module description is part of the legal basis in addition to the general academic regulations. It is binding. During the first week of the semester a written and communicated supplement can specify the module description in more detail.
Module Characteristic	Type 7 Bachelor's thesis
Module Description	The Bachelor thesis comprises an independent body of work on a practical technical-scientific problem. The students are expected to exhibit their ability to utilise scientific and engineering principles and apply knowledge gained in the course of their studies, to the solution of this technical problem.
Module Content	**A bachelor thesis consists of a conceptual body of work and its practical realisation.** • - The main focus is on the conceptual part where the theoretical and methodological foundations of a development or a concept are elaborated and explained. - In the development part the description of the implementation or application are pursued. The development must be at least of "proof-of-concept" quality, which demonstrates the validity of the concept. **Supervision** • Bachelor Thesis are supervised by one or more lecturers of the faculty on Information Technology who will offer specialist support on the chosen theme. The students will regularly report on the progress of their work and proposed further activities. The results of the work will be published in a report conforming to technical scientific norms and presented in a defence of the body of work.
Prerequisite Knowledge	According to the announcement of the specific Bachelor thesis

Learning Objectives (Competences)	Students...	Competencies	Taxonomies
	In the course of the thesis, the students will refine the following skills:	F, SO, M	K2, K3, K4
	- publication, critical evaluation, presentation and defence of results	M, SO, F	K2, K3, K4, K6
	- utilisation of a systematic and methodologically correct approach to the solution of posed problems,	F, SE, M	K6
	- development of a clear perception of the targets to be reached,	F, M	K4
	- determination of a theme and the exploration space,	F, M	K3
	- evaluate results and make them available to others, and	F, M	K3
	- the systematic ordering and proof, or argumentation, of any decisions or interpretations made in the course of the thesis,	SE, M, F	K4, K5, K6

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Performance Assessment	End-of-module exam	Assessment	Length (min.)	Weighting	Form
	other	Grade		100	acc. to module agreement

	Performance assessment during the semester	Assessment	Length (min.)	Weighting	Form
	-	-	-	-	-

Classroom Attendance Requirement	None
Learning material	
Comments	See also guideline: "Bewertungsraster zur Projekt- und Bachelorarbeit an der SoE"