

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Computer Science as a Master's with 1 major with the degree "" (120 ECTS credits)

Responsible: Faculty of Mathematics and Computer Science

Responsible: Institute of Computer Science

Abbreviations used: Course types: $\mathbf{E} = \text{field trip}$, $\mathbf{K} = \text{colloquium}$, $\mathbf{O} = \text{conversatorium}$, $\mathbf{P} = \text{placement/lab course}$, $\mathbf{R} = \text{project}$, $\mathbf{S} = \text{seminar}$, $\mathbf{T} = \text{tutorial}$, $\mathbf{U} = \text{exercise}$, $\mathbf{V} = \mathbf{V} = \mathbf$

= lecture

Term: **SS** = summer semester. **WS** = winter semester

Methods of grading: **NUM** = numerical grade, **B/NB** = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB

= list of modules

Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)

Conventions for the

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

modules in this SFB: ditable for bonus.

Information on Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the meassessment procedures: thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the

customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all

individual assessments.

Examination regulations version: 2025

Examination regulations version: 2025

In accordance with the general regulations governing the degree subject described in this module catalogue:

ASP02015

associated official publications (FSB (subject-specific provisions)/SFB (list of modules)):

??-???-2025 (2025-??)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS Durat		Duration	(in semesters)	Method of grading		Module level			
			To be sp	ecified in the form X	(y) with course type >	abbreviated as specified abo	ove and number of we	ekly contact hours y		
	Method of as	sessm	ent							
	Only after successful completion of		ıl if applic	fapplicable						
	Other prereq	uisites	if applic	if applicable						
	Participants on of places		ocati- if applic	able						
	Additional in	format	ion if applic	able						
	Referred to ir	1 LPO I	if applic	able (examination re	gulations for teaching	g-degree programmes)				

Compulsory Cours	ses (20 E	CTS cred	lits)								
10-l=SEM3-232-	Semin	ar 1 - Cu	rrent Top	ics in (Computer Science						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es			S (2) Module taught in: German and English The course is offered in parallel in both German and English.						
	Metho	d of ass	essment	puter	term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on a topic from the field of computer science Language of assessment: German and/or English						
				LR, H	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, KI, E R, HCI, GE, SEC, IN						
10-l=SEM4-232-		ar 2 - Cu			cs in Computer Science						
mo1	ECTS 5 Duration				1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	Courses			S (2) Module taught in: German and English The course is offered in parallel in both German and English.						
	Metho	Method of assessment			term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on the topic of the seminar Language of assessment: German and/or English						
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, KI, ES LR, HCI, GE, SEC, IN						
10-I=PRAK-232-	Practio	al Cour	se - Curre	nt Top	ics in Computer Sc	ience					
mo1	ECTS	10	Duratio	n	1 semester	Method of grading (not) successfully comp	leted Modul level	graduate			
	Courses										
	Metho	d of ass	essment	term paper (5 to 15 pages) Language of assessment: German and/or English							
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, KI, ES, LR, HCI, GE, SEC, IN							

Compulsory Elective General Compulsor	.,		•	lits)							
10-l=3D-232-mo1			Process								
		5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course				V (2) + Ü (2) Module taught in: English						
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI,LR,HCI,GE						
10-l=DM-232-m01	Data S	ata Science									
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2)	+ Ü (2)						
	Method	i or ass	essment	If anr of on date) Lang	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examina of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cardate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, KI, HCI, GE, SEC, IN							
10-I=DB2-242-m01	Databa	ses 2									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		` '	+ Ü (2) ıle taught in: Geri	man and/or English					
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	ses available for s	students of the Master's	programme Informatik	(Computer Science, 120	o ECTS credits): SE, KI, HCI		

10-l=ICG-232-m01	Interactive Computer Graphics											
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)	·						
	Method	d of ass	essment	If ann of one date).	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
					es available for stu	udents of the Master's programme Informatik (C	omputer Science, 120	o ECTS credits): HCI.				
10-l=KT-232-m01		tationa	l Complex	ity	~							
	ECTS 5 Duratio				1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2) -	+ Ü (2)							
	Additional Information			of one date). Langu Asses credit	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,KI,ES,GE,IN							
10-l=KD-232-m01			and Data									
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			V (2) -	+ Ü (2)		ļ	10				
				written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI,GE,SEC,IN								

10-I=APR-252-m01	Advanced Programming											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	<u> </u>	V (2) -	+ Ü (2)		ļ	10				
	Method	d of ass	essment	If ann of one date). Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information				es available for st E, SEC, IN	udents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): SE, KI, LR, HCI,				
10-l=SSS-232-m01	Securit	Security of Software Systems										
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				(2) + Ü (2) lodule taught in: English							
	Method of assessment			If ann of one date). Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES, SEC,IN								
10-I=RAK-232-m01	Compu	ter Arch	itecture				'					
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) ·	+ Ü (2)		,					
	Method	d of ass	essment	If ann of one date). Langu	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for st	udents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): SE, IT, ES, LR, GE.				

10-l=SKS-252-m01	Contro	l Princip	oles of Mo	dern (Communication Sy	rstems			· ·		
	ECTS	5	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	undergraduate		
	Course	S	,	V (2)	+ Ü (2)			•	•		
	Method	d of ass		If anr of on date) Lange	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English						
	Additional lafarrantina				creditable for bonus Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, ES, LR, IN						
10-l=SEC-252-m01					ses available for si	duents of the master's pr	ogramme imormatik (Coi	inputer Science, 120	o EC13 cieuits): 11, E3, LK, IN		
	ECTS	5	Duration	<u> </u>	1 semester	Method of grading n	umerical grade	Modul level	graduate		
	Courses				/ (2) + Ü (2) Module taught in: English						
	Method of assessment			If anr of on date) Lange	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exam of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: English creditable for bonus						
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SEC, IN							
10-l=WBS-232-			sed Syste					1			
mo1		5	Duration		1 semester	Method of grading n	umerical grade	Modul level	graduate		
	Course				+ Ü (2)						
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	ses available for st	udents of the Master's pr	ogramme Informatik (Cor	mputer Science, 120	o ECTS credits): SE, IT, KI, HCI, GE		

10-I=PRJAK-252-	Project	- Curre	nt Topics	in Con	nputer Science					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		P (4)			*			
	Method				project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered (Each project is offered one time only. The project will not be repeated; there will not be another project with the same topic. Assessment can, therefore, only be offered for the project offered in the respective semester)					
	Additio	nal Info	ormation		ses available for stu CI, GE, SEC, IN	dents of the Master's programme Informati	ik (Computer Science, 120	o ECTS credits): AT, SE, IT, KI, ES,		
10-LU-	Autono	mous N	Nobile Sys	stems						
RI=AMS-232-m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			/ (4) + Ü (2) Module taught in: German and/or English					
				If ann of on date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exami of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: German and/or English creditable for bonus					
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, KI, ES, LR, GE						
10-l=EA-252-m01	Exact A	lgorith	ms							
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level			
	Course	S			V (2) + Ü (2) Module taught in: German and/or English					
	Method	l of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT					

10-I=AG-232-m01	Compu	tationa	l Geometr	у							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) -	V (2) + Ü (2)						
				written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
				AT,HC	es available for stu I,GE,IN	dents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits):			
10-I=APA-161-m01		imatior	Algorith	ms							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	s		V (2) -	+ Ü (2)						
	Method of assessment			If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE							
10-I=AUT-212-m01		ata The	ory								
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			$V(2) + \ddot{U}(2)$							
	Method	l of ass	essment	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus							
	Additio	Additional Information			es available for stu	dents of the Master's programme Informatik (Co	mputer Science, 12	o ECTS credits): AT, IT, ES, HCI, GE			

10-I=AVS-161-m01	Avioni	s Syste	ems								
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	N	Modul level	graduate		
	Course	:S		V (2) -	+ Ü (2)		•				
	Method	d of ass	essment			orox. 60 to 120 minutes).					
				of one date). Langu	If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additional Information			Focus ES,LR	es available for stu	dents of the Master's programme Inform	atik (Compute	r Science, 120	o ECTS credits):		
10-HCI=M-	Multim	Multimodal User Interfaces									
MUI-161-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	٨	Modul level	graduate		
	Courses			V (2) -	+ Ü (2)						
	Method	d of assessment presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus									
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's programme Inform	atik (Compute	r Science, 120	o ECTS credits): HCI,GE.		
10-I=BER-212-m01	Computability Theory										
	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	٨	Modul level	graduate		
	Course	:S		V (2) -	+ Ü (2)						
	Method	d of ass	essment	of one date). Langu Asses	ounced by the lection ounced by the lection of assessment	orox. 60 to 120 minutes). For are the beginning of the course, the water at the beginning of the course, the water and the course is offere semester in which the course is offere	on in groups of	2 candidates	s (approx. 15 minutes per candi-		
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's programme Inform	atik (Compute	r Science, 120	o ECTS credits): AT,SE,IT,KI,GE		
07-MS2BI-152-m01		rmatics									
	ECTS	10	Duration		1 semester	Method of grading numerical grade	Λ	Modul level	graduate		
	Courses			V (2) + S (1) Module taught in: German and/or English							
				a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							

10-I=DDB-212-m01	Deductive Databases											
	ECTS	5	Duration)	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	•	V (2) -	+ Ü (2)	<u>'</u>		•				
				If ann of one date). Langu credit	anguage of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stu	udents of the Master's programme Informatik (Computer Science, 120	ECTS credits): AT,SE,IT,KI				
10-l=LP-212-m01	Logic P	rogram	ming									
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	(2) + Ü (2)							
	Method of assessment			If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI								
10-I=PNN-252-m01	Programming with neural nets											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ Ü (2)							
	Method	d of ass		written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, KI, HCI, GE, IN								

10-I=NLP-212-m01	Machine Lea	arning for Na	tural Language Process	sing	,						
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2)	·	•						
	Method of a	ssessment	If announced by the lect of one candidate each (date).	Language of assessment: German and/or English							
	Additional Ir	nformation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI								
10-l=IR-242-m01	Information Retrieval										
	ECTS 5	Duration		Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2) Module taught in: Germ								
	Method of a	ssessment	Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Ir		Focuses available for st IT, KI, HCI, GE	tudents of the Master's programme Informatik (C	Computer Science, 12	o ECTS credits):					
10-HCl=3DUl-161-	3D User Interfaces										
mo1	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2)								
	Method of a	ssessment	presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus								
	Additional Ir	nformation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI,GE.								
10-I=KT2-212-m01	Computation	nal Complex	ity II								
	ECTS 5	Duration		Method of grading numerical grade	Modul level	graduate					
	Courses		V (2) + Ü (2)								
			written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus								
	Additional Ir	ntormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, ES								

10-l=Kl1-212-m01	Artificia	al Intell	igence 1				'				
	ECTS	5	Duration)	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S	,	V (2) -	+ Ü (2)	·					
	Method	d of ass		If ann of one date).	Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focus	es available for stu	udents of the Master's programme Informatik (Computer Science, 120	o ECTS credits): AT,SE,KI,HCI			
10-l=Kl2-212-m01	Artificia	al Intell	igence 2				·				
	ECTS 5 Duratio)	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) -	(2) + Ü (2)						
				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,HCI,GE							
10-l=LVS-232-m01	Performance Evaluation of Distributed Systems										
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (2) -							
	Method	d of ass		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE,IN							

10-l=ML-212-m01	Mather	natical	Logic					-			
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	Method	d of ass	essment	If ann of one date) Langu Asses	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus						
	Additio	nal Info	rmation		ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): T,SE,KI,ES						
10-l=MI-212-m01	Medica	l Inforn	natics								
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	Method	d of ass	essment	If ann of one date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 1 date). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, KI, HCI, GE							
10-l=SB-252-m01	System	s Benc	hmarking								
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			V (2)							
	Method	d of ass		If ann of one date) Langu credit	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, ES, HCI, GE, IN							

10-l=PM-252-m01	Profess	sional P	roject Ma	nagen	nent						
	ECTS	5	Duration		1 semester	Method of grading numerical grade	٨	Modul level	graduate		
	Course	S		V (4)	•	<u> </u>					
	Method	d of ass	essment	If ann of one date) Langu	written examination (approx. 60 to 120 minutes) f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	other p	rerequi	sites	We re	ecommend compl	eting module 10-I=PRJAK in parallel.					
	Additional Information				ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, KI, ES, LR, ICI, GE, IN						
10-LU-	Roboti	CS 1					,				
RI=RO1-232-mo1	ECTS 5 Duratio			ı	1 semester	Method of grading numerical grade	٨	Nodul level	graduate		
	Courses				V (2) + Ü (2) Module taught in: German and/or English						
	Method of assessment			If ann of one date) Langu	written examination (approx. 60 to 120 minutes) f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examinati of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additional Information			Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI, ES, LR, HCI, GE						
10-LU-	Roboti	CS 2									
RI=RO2-232-mo1	ECTS	10	Duration		1 semester	Method of grading numerical grade	٨	Modul level	graduate		
	Course	S		V (4) + Ü (2) + P (1) Module taught in: German and/or English							
	Method of assessment			If ann of one date) Langu credit	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additional Information			Focus	ses available for s	tudents of the Master's programme Informa	atik (Computei	r Science, 12	o ECTS credits): KI, ES, LR, HCI, GE		

10-l=ST-232-m01	Discret	e Event	t Simulatio	on .							
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	Method	d of ass	sessment	If anr of on date) Langi	ritten examination (approx. 60 to 120 minutes) announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per canditate). Inguage of assessment: German and/or English editable for bonus						
					ses available for stu ES,GE,IN	udents of the Master's programme Informatik (C	Computer Science, 12	o ECTS credits):			
10-l=El1-232-m01	Energy	Inform	atics 1								
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (2) + Ü (2) Module taught in: German and/or English						
	Method of assessment			If anr of on date) Langi	f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per ca						
	Additio	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN						
10-HCI=RIS-182-	Real-Ti	me Inte	eractive Sy	/stems	5						
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)						
	Method	d of ass	sessment	If anr of on date) Langu	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).							

10-l=SAR-161-m01	Softwa	re Arch	itecture			1					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2)	+ Ü (2)						
	Method	d of ass	essment		written examination (approx. 60 to 120 minutes).						
				of one date) Langu	announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral ex f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes ate). anguage of assessment: German and/or English reditable for bonus						
	Additio	nal Info	rmation	Focus SE,IT,		dents of the Master's	s programme Informatik ((Computer Science, 12	o ECTS credits):		
10-LURI=S-	Spacec	raft Sys	stem Anal	ysis				,			
SA-232-m01	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			+ Ü (2) le taught in: English	1					
	Method	d of ass	essment	If ann of one date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus						
	Additio	Additional Information			es available for stu	dents of the Master's	programme Informatik ((Computer Science, 12	o ECTS credits): ES, LR		
10-HCI=M-	Machine Learning (for User Interfaces)										
LUI-161-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2)	+ Ü (2)						
	Method of assessment			Langu	presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's	programme Informatik ((Computer Science, 12	o ECTS credits): HCI,GE.		
10-l=VG-161-m01	Visuali	zation o	of Graphs								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course			V (2)							
				If ann of one date) Langu credit	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additional Information				es available for stud HCI,GE	dents of the Master's	s programme Informatik ((Computer Science, 12	o ECTS credits):		

10-I=AGE-232-m01	Selecte	ed Topic	s in Game	es Engi	ineering			-				
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			V (2) -								
	Method of assessment			b) pro c) ora d) ora Langu credit	a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English creditable for bonus							
					Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE.							
10-I=AKA-232-m01					i e							
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			V (2) -				_				
				a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the top c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus								
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT								
10-l=AKT-232-m01				<u> </u>								
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	-		V (2) -				_				
	Method	d of asse	essment	b) pro c) ora d) ora Langu	a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT								

10-l=AK-	Selecte	d Topic	s in Softv	vare Ei	ngineering	'						
SE-232-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	•	V (2)	+ Ü (2)	•	·	•				
	Method				a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) canguage of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's	programme Informatik (Co	omputer Science, 120	o ECTS credits): SE.			
10-l=A-	Selecte	d Topic	s in IT Se	curity								
KITS-232-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				(2) + Ü (2) odule taught in: English							
	Method	Method of assessment			a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: English creditable for bonus							
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, KI, LR, HCI, ES, SEC								
10-l=AKIT-232-m01	Selecte	d Topic	s in Inter	net Te	hnologies			'				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2)	+ Ü (2)							
	Method	d of ass	essment	b) pro c) ora d) ora Langu	oject work (report (a l examination of on Il examination in gro	e candidate each (ap	n presentation (30 to 45 mi prox. 20 minutes) or dates (approx. 15 minutes	•	ent discussion on the topic) or			
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's	programme Informatik (Co	omputer Science, 120	o ECTS credits): IT.			

10-l=A-	Selected To	Selected Topics in Intelligent Systems											
KIS-232-m01	ECTS 5	Duratio	n 1	semester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü	Ü (2)	•								
	Method of a	ssessment	b) proje c) oral e d) oral e Languas	n) written examination (approx. 60 to 120 minutes) or n) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or noral examination of one candidate each (approx. 20 minutes) or noral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English reditable for bonus									
	Additional In	nformation	Focuses	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI									
10-l=A-	Selected To	pics in Embe	edded Sy	stems									
KES-232-m01	ECTS 5	Duratio	n 1	. semester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü	Ü (2)		`							
	Method of a		b) proje c) oral e d) oral e Languas creditab	written examination (approx. 60 to 120 minutes) or project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or oral examination of one candidate each (approx. 20 minutes) or oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English reditable for bonus									
	Additional In	nformation	Focuses	available for stu	dents of the Master's programme Informatik (C	Computer Science, 120	o ECTS credits): ES.						
10-l=AKL-	Selected To	Selected Topics in Aerospace Engineering											
R-232-m01	ECTS 5	Duratio	n 1	. semester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü	Ü (2)									
	Method of a	ssessment	b) proje c) oral e d) oral e Languas	ect work (report (a examination of on examination in gro	approx. 60 to 120 minutes) or pprox. 20 pages) with presentation (30 to 45 m e candidate each (approx. 20 minutes) or oups of up to 3 candidates (approx. 15 minutes e German and/or English	,	ent discussion on the topic) or						
	Additional In	nformation	Focuses	s available for stu	dents of the Master's programme Informatik (C	Computer Science, 120	o ECTS credits): LR.						
10-I=AKH-	Selected To	pics in HCI											
Cl-232-m01	ECTS 5	Duratio	n 1	semester	Method of grading numerical grade	Modul level	graduate						
	Courses		V (2) + Ü	Ü/S (2)									
	Method of a	ssessment	b) proje c) oral e d) oral e Languas	ect work (report (a examination of on examination in gro	approx. 60 to 120 minutes) or pprox. 20 pages) with presentation (30 to 45 me candidate each (approx. 20 minutes) or oups of up to 3 candidates (approx. 15 minutes are German and/or English	·	ent discussion on the topic) or						
	Additional In	Iditional Information Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI.											

10-I=AKDS-232-	Selecte	d Topic	s in Data	Science							
mo1	ECTS	5	Duration	1 1 5	emester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü/							
						ın and/or English					
				b) project c) oral ex d) oral ex Language creditable	t work (report (a amination of on amination in gr e of assessment e for bonus	approx. 60 to 120 minutes) or approx. 20 pages) with presentation (30 to 45 minute candidate each (approx. 20 minutes) or oups of up to 3 candidates (approx. 15 minutes peer German and/or English	r candidate)				
						dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): KI			
10-l=A-		d Topic			obile Systems						
KAMS-232-m01	ECTS	5	Duration	1 S	emester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (2) + Ü/S (2) Module taught in: German and/or English						
	Method of assessment			b) projectc) oral exd) oral exLanguage	a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) anguage of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focuses a	available for stu	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): LR, ES, KI.			
10-l=AKII-232-m01	Selecte	d Topic	s in Comp	uter Scie	nce						
	ECTS	5	Duration	1 5	emester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) + Ü/	[′] S (2)						
	Method	d of ass		a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus							

10-I=TSD-232-m01	Telecommunication Systems												
	ECTS	10	Duration	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S	•		V (4) + Ü (2) Module taught in: German and/or English								
	Method	d of ass		If ann of one date). Langu	ounced by the lectu e candidate each (ap	rox. 60 to 120 minutes) rer at the beginning of the course, the written exa oprox. 20 minutes) or an oral examination in grou							
	Additio	nal Info	ormation	Focus	es available for stud	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): LR					
10-I=RRS-232-m01		e Sensi											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S			(2) + Ü (2) odule taught in: German and/or English								
	Method	d of ass	essment	If ann of one date). Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exami of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	ormation	possi	ble majors for MA 12	20 Computer Science: LR,IN							
10-l=QC-252-m01	Quantu	ım Com	municatio	ns	-								
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			Modu	+ V (2) le taught in: English								
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus									
	Additio	nal Info	ormation	Focus	es available for stud	dents of the Master's programme Informatik (Com	puter Science, 12	o ECTS credits): LR					

10-l=DRLOC-252-	Deep Reinfo	rcement Le	arning	for Optimal Contro	ol		,	-			
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2) Module taught in: English							
	Method of as	ssessment	If anr of on date) Lang	vritten examination (approx. 60 to 120 minutes) f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examina of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per ca late). anguage of assessment: English reditable for bonus							
	Additional Ir	formation	Focus	ses available for st	udents of the Master'	s programme Informatik	(Computer Science, 12	o ECTS credits): IN			
10-xtAl=CV-202-	Computer Vi	sion									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	,		+ Ü (2) ıle taught in: Englis	sh	•					
	Method of as	ssessment	Written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus								
10-I=NA-	Sustainable	Mobility									
MO-232-mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V (2)	+ Ü (2)							
	Method of as	ssessment	written examination (approx. 90 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cadate). creditable for bonus								
	Additional In	formation	Focus	ses available for st	udents of the Master'	s programme Informatik	(Computer Science, 12	o ECTS credits): IN			
10-l=MLN1-232-	Machine Lea	rning for N	etwork	S 1			'				
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			+ Ü (2) ıle taught in: Englis	sh		·				
		written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus						s (approx. 15 minutes per candi-			
	Additional Ir	formation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,HCI,IN								
Master's with 1 major C	omputer Science (20	25)				JMU Würzburg • generated	d 05-Nov-2024 • exam. reg. data r	ecord 88 079 - - H 2025 page 23 / 34			

10-l=MLN2-232-	Machi	ne Leari	ning for Ne	twork			1				
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	es	,		+ Ü (2)	·	•				
				Module taught in: English							
	Method of assessment			If ann of one date).	Language of assessment: English						
				0.00.0	creditable for bonus						
					cuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,HCI,IN						
10-I=SNA-232-m01	Statist	tical Net	twork Anal	ysis				-			
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses				V (2) + Ü (2) Module taught in: English						
	Method of assessment			If ann of one date).	written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral exam of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: English creditable for bonus						
	Additio	onal Info	ormation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN						
10-l=IP-222-m01	Image	Process	sing and C	omput	tational Photogra	phy	,				
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (2) + Ü (2) Module taught in: English							
	Method of assessment			written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus							

10-I=RLCD-	Reinfor	cement	Learning	and C	omputational Decisi	ion Making					
M-252-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S			$V\left(2\right)+\ddot{U}\left(2\right)$ Module taught in: German and/or English						
	Method				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus						
	Additio	nal Info	rmation	Focus	es available for stuc	dents of the Master's	programme Informatik (Comp	uter Science, 12	ECTS credits): IN		
10-l=MIR-252-m01		nforma	tion Retri	eval							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S			(2) + Ü (2) odule taught in: German and/or English						
	Method	l of asse		a) written examination (approx. 60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes) Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE						
10-l=OR-232-m01	Operati	ions Re	search					,			
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) - Modu	+ Ü (2) le taught in: Germar	n and/or English					
				written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stuc	dents of the Master's	programme Informatik (Comp	uter Science, 12	p ECTS credits): IN		

10-I=AK-	Selecto	ed Topi	cs in Comp	uter S	Science and Sustain	nability					
NA-232-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Course	S			+ Ü (2) ıle taught in: Germa	an and/or English					
	Method	d of ass		b) pro c) ora d) ora Langu	a) written examination (approx. 60 to 120 minutes) or b) project work (report (approx. 20 pages) with presentation (30 to 45 minutes) and subsequent discussion on the topic) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) Language of assessment: German and/or English creditable for bonus						
	Additio	Additional Information			ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN						
10-l=M-		ngual N									
NLP-232-m01	ECTS	5	Duration		1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Course	S		V (2) + Ü (2) Module taught in: German and/or English							
	Method	1 of ass		written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
10-l=ES-231-m01	Embedded Systems										
	ECTS	5	Duration		1 semester	Method of grading numerical gra	ade	Modul level	graduate		
	Course	S		V (2) + Ü (2) Module taught in: German and/or English							
	Method	d of ass		written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info			ses available for stu E,ES,LR,GE	idents of the Master's programme In	ıformatik (Compu	iter Science, 120	o ECTS credits):		

10-l=V-	Virtual P	Prototypi	ng of En	mbedded Systems								
PES-232-m01	ECTS	5 [Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	,			V (2) + Ü (2) Module taught in: German and/or English							
	Mothod	of occor			written examination (approx. 60 to 120 minutes).							
	Method	or asses		If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English								
	Addition	nal Inform			reditable for bonus ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES							
o3-TM-AI-	Medical			, -								
Med-242-mo1	ECTS	5 [Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				+ Ü (2) le taught in: Germ	an or English	•					
	Method	of asses		written examination (approx. 60 to 120 minutes) Language of assessment: German and/or English creditable for bonus								
	Participa cation of	ants and f places	allo-	50 (lo	t)							
o3-TM-	Medical	Informat	tics									
MEDINF-181-mo1	ECTS	5 [Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (1.5) + S (1.5) Module taught in: German or English								
	Method	of asses		a) Oral examination (approx. 30 minutes) or b) written examination (approx. 60 minutes) Language of assessment: German or English								
Projects and Tarini	ng											
10-I=RSE-182-m01	Space S	ystems [Design									
	ECTS	10 [Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			R (6)								
	Method	of asses		project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered (The project will not be repeated; there will not be another project with the same topic. Assessment can, therefore, only be offered for the project offered in the respective semester.)								
	Additional Information					udents of the Master's programme Informatil n 3 Sentence 8 FSB (subject-specific provisio		o ECTS credits): LR.				

10-I=EPB-182-m01	Design of Planetary Bases and Orbital Stations													
	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		R (6)		,	-		-					
	Method	d of ass	essment	Each Asses Langu	roject report (10 to 15 pages) and presentation of project (15 to 30 minutes) ach project is offered one time only. The project will not be repeated; there will not be another project with the same topic. assessment can, therefore, only be offered for the project offered in the respective semester. anguage of assessment: German and/or English assessment offered: In the semester in which the course is offered									
	Additio	nal Info	rmation				programme Informatik (Comp bject-specific provisions).	outer Science, 12	o ECTS credits): LR.					
10-l=PRT-232-m01	Practic	Practical course - Space Technology												
	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		P (8) Modu	ıle taught in: Germaı	n and/or English								
	Method	d of ass	essment		placement report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English									
	Additio	nal Info	rmation				programme Informatik (Comp bject-specific provisions).	outer Science, 12	o ECTS credits): LR					
10-l=FZB-182-m01	Aircraft	Aircraft Construction												
	ECTS 10 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		R (6)	•									
	Method of assessment			project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus										
	Additio	nal Info	rmation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).									
10-l=F-	Flight S	Simulat	or											
SIM-232-m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		R (6)										
	Method	d of ass	essment	Sepai Langi	project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus									
	Additio	nal Info	rmation				programme Informatik (Comp bject-specific provisions).	outer Science, 12	o ECTS credits): LR.					

10-l=GRL-	Game I	Researc	h Lab - Th	eory	•			'				
T-182-m01	ECTS	10	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	graduate			
	Course	!S		R (4)								
	Method	d of ass	essment				of project (15 to 30 minut	es)				
					anguage of assessment: German and/or English reditable for bonus							
	Additio	anal Info	rmation		uses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE.							
	Additional Information				Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).							
10-l=GRAR-182-	Game Research Lab - Architectures											
mo1	ECTS	10	Duration	on 1 semester Method of grading numerical grade				Modul level	graduate			
	Course	!S		R (4)		1 0 01			10			
				Langu	roject report (10 to 15 pages) and presentation of project (15 to 30 minutes) anguage of assessment: German and/or English reditable for bonus							
	Additio	onal Info	ormation			udents of the Master's pi 3 Sentence 8 FSB (subj	rogramme Informatik (Co ect-specific provisions).	mputer Science, 120	o ECTS credits): GE.			
10-l=GRDE-182-	Game I	Researc	h Lab - De	sign								
mo1	ECTS	10	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	graduate			
	Course	!S		R (4)	-							
	Method of assessment			Langu		ages) and presentation t: German and/or Englis	of project (15 to 30 minut n	res)				
	Additio	onal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).								
10-l=GRAP-182-	Game Research Lab - Applications											
mo1	ECTS	10	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	graduate			
	Course	!S		R (4)		·		·				
	Method of assessment			Langu	project report (10 to 15 pages) and presentation of project (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus							
	Additio	onal Info	ormation		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE. Cf. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).							
10-I-PAT1-182-m01	Practic	al Cour	se - Algori	thms	and Theory 1	,		,				
	ECTS	10	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	undergraduate			
	Course	!S		R (6)								
	Method	d of ass	essment	Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English Creditable for bonus							
	Additio	nal Info	ormation	Focus	es available for stu	udents of the Master's pi	ogramme Informatik (Co	mputer Science, 12	o ECTS credits): AT.			
Master's with 1 major Co	manutar Cala	(2222)				· · · · · · · · · · · · · · · · · · ·	IMII Wiirzhurg • generated 05-N	ov and a nyam roa datar	ecord 88 070 - - H 2025			

10-I-PAT2-182-m01	Practica	al Cours	e - Algor	ithms	and Theory 2				-			
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		R (6)				,				
	Method	of asse	essment	Langu	eport (10 to 15 pages) and presentation of results (15 to 30 minutes) .anguage of assessment: German and/or English .reditable for bonus							
					cuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT.							
10-I-PSE1-182-m01	Practical Course - Software Engineering 1											
	ECTS 10 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		R (6)								
	Method	of asse	essment	Langu		d presentation of res German and/or Engl	ults (15 to 30 minutes) ish					
	Additio	nal Info	rmation	Focus	es available for stud	ents of the Master's	programme Informatik	(Computer Science, 12	o ECTS credits): SE.			
10-I-PSE2-182-m01	Practical Course - Software Engineering 2											
	ECTS 10 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		R (6)								
	Method of assessment			report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE.							
10-I-PIT1-182-m01	Practical Course - Internet Technology 1											
	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		R (6)	R (6)							
	Method of assessment			report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT.							
10-I-PIT2-182-m01	Practica	al Cours	e - Intern	et Tec	hnology 2							
			Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	-	R (6)	•	-		-				
	Method of assessment			Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stud	ents of the Master's	programme Informatik	(Computer Science, 12	o ECTS credits): IT.			

10-I-PIS1-212-m01	Practic	al Cours	e - Intelli	igent S	ystems 1							
	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-	R (6)	(6)							
	Method	d of asse	essment		report (10 to 15 pages) and presentation of results (15 to 30 minutes)							
				credit	anguage of assessment: German and/or English reditable for bonus							
	Additio	nal Info	rmation	Focus	cuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI							
10-I-PIS2-212-m01			,		ystems 2							
	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course			R (6)								
	Method of assessment			Langu	eport (10 to 15 pages) and presentation of results (15 to 30 minutes) anguage of assessment: German and/or English reditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): KI			
10-I-PES1-182-m01	Practic	al Cours	e - Embe	dded S	,							
	ECTS 10 Duration			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)								
	Method of assessment			report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.							
10-I-PES2-182-m01	Practical Course - Embedded Systems 2											
	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)	. (6)							
	Method of assessment			report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus								
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES.							
10-I-PHCl1-182-	Practic	al Cours	e - Huma	n Com	puter Interaction 1							
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)								
	Method	d of asse	essment	Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): HCI.			

10-I-PHCl2-182-	Practic	al Cours	e - Huma	n Com	puter Interaction 2							
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	-	R (6)	(6)							
	Method	d of asse	essment	Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English							
					Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI.							
						lents of the Master's	programme Informatik (Cor	nputer Science, 12	o ECTS credits): HCI.			
10-I-EHL1-212-m01			e - Ethica	l Hack	ing Lab / Software							
		10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R (6) Modu	(6) odule taught in: English							
	Method	d of asse	essment	just h If ann of one date). Langu	written examination (approx. 60 to 120 minutes) and report (5 to 8 pages), weighted: written examination: 100%; The report just has to be passed If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus							
	Additio	nal Info	rmation	Focus	es available for stud	lents of the Master's	programme Informatik (Cor	nputer Science, 12	o ECTS credits): SEC			
10-I-EHL2-212-m01	Practical Course - Ethical Hacking Lab / Networks											
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R (6) Modu	le taught in: English							
	Method of assessment			just h If ann of one date). Langu credit	written examination (approx. 60 to 120 minutes) and report (5 to 8 pages), weighted: written examination: 100%; The report just has to be passed If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus							
						lents of the Master's	programme Informatik (Cor	nputer Science, 12	o ECTS credits): SEC			
10-l=PDS1-232-		al Cours	e - Data S	Scienc	e 1							
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			R (6)								
	Method	d of asse	essment	Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English creditable for bonus							

10-l=PDS2-232-	Practic	Practical Course - Data Science 2												
mo1	ECTS	10	Duration	1	1 semester	Method of grading numerical grad	le	Modul level	graduate					
	Course	S		R (6)										
	Method	d of ass	essment		eport (10 to 15 pages) and presentation of results (15 to 30 minutes)									
					anguage of assessment: German and/or English									
. 500	5	1.0			able for bonus	1 ****								
10-l=PIN1-232-m01				uter Science and Sustainability 1				1						
	ECTS	10	Duration		1 semester	Method of grading numerical grad	le	Modul level	graduate					
	Course			R (6)										
	Method	d of ass	essment	Langu	lage of assessment	nd presentation of results (15 to 30 mi : German and/or English	inutes)							
	Additio	nal Info	rmation		able for bonus es available for stu	dents of the Master's programme Info	ormatik (Compu	iter Science, 12	o ECTS credits): IN					
10-l=PIN2-232-	Practic	al Cour	se - Comp	uter S	cience and Sustain	ability 2		'						
mo1	ECTS	10	Duration	ı	1 semester	Method of grading numerical grad	le	Modul level	graduate					
	Course	s S	•	R (6)		•		•						
	Method	d of ass	essment	Langu	report (10 to 15 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English Creditable for bonus									
	Additional Information Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IN													
10-l=TEL-232-m01	Telecommunication Systems Lab													
	ECTS	10	Duration	ı	1 semester	Method of grading numerical grad	le	Modul level	graduate					
	Course	S		R (8) Modu	le taught in: Germa	n and/or English		•						
	Method of assessment			b) ora c) rep	a) oral examination of one candidate each (approx. 20 minutes) or b) oral examination in groups (max. 3 candidates, approx. 15 minutes each) or c) report (4 to 8 pages) Language of assessment: German and/or English									
	Additio	nal Info	rmation			dents of the Master's programme Info	ormatik (Compu	iter Science, 12	o ECTS credits): LR					
10-LURI=D-	Digital	Signal	Processin	g	1		,							
SP-252-m01		5	Duration		1 semester	Method of grading numerical grad	le	Modul level						
	Courses				V (2) + Ü (2) Module taught in: German and/or English									
	Method	d of ass	essment	If ann of one date) Langu	written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus									

	Practical Computer Vision												
		10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	-1	R (8) Modu	lle taught in: Germ	an and/or English		'	10				
	Method	of ass	essment	b) wri If ann of ond date) Langu	a) placement report (10 to 15 pages) and presentation of results (15 to 30 minutes) or b) written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus								
	Additional Information			Focus	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI,LR;HCI								
10-l=PIP-232-m01	Image Processing and Computational Photography Lab												
	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		R (8) Modu	R (8) Module taught in: German and/or English								
			essment	b) written examination (approx. 60 to 120 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus									
Thesis (30 ECTS cred	dits)												
10-l-MA-MK-212-	Concluding Colloquium Computer Science												
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		K (o)									
	Method	of ass	essment	final colloquium (approx. 60 minutes) Language of assessment: German and/or English									
10-l-MA-161-m01	Master'	's Thes	is Comput	ter Sci	er Science								
	ECTS 25 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate				
<u> </u>	Courses				urses assigned to								
	Method	of ass	essment		Master's thesis (50 to 100 pages) Language of assessment: German and/or English								
	Additio	nal Info	rmation		to complete: 6 mo								