

Annex SFB

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

Responsible: Faculty of Mathematics and Computer Science

Responsible: Institute of Computer Science

Abbreviations used: Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V**

= 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 assessment procedures: Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method 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: 2021

Examination regulations version: 2021

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)):

28-Apr-2021 (2021-43)

15-Feb-2023 (2023-9)

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	Module title										
	ECTS	I	Duration	(in semesters)	Method of grading		Module level					
	Courses		To be spe	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y								
	Method of as	sessme	ent									
	Only after succompletion of		l if applica	if applicable								
	Other prereq	uisites	if applica	if applicable								
	Participants and allocation of places		cati- if applica	if applicable								
	Additional information		on if applica	if applicable								
	Referred to in	ı LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)								

Compulsory Cours	ses (20 E	CTS cred	lits)										
10-l=SEM3-212-	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			6 (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								
				R,HCI	,GE	udents of the Master's programme Informatik (C	Computer Science, 120	o ECTS credits): AT,SE,IT,KI,ES,L-					
10-I=SEM4-212-		ar 2 - Cu			s in Computer Science								
mo1	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses				S (2) Module taught in: German and English The course is offered in parallel in both German and English.								
	Method of assessment				term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on the topic of the seminar Langua ge 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								
10-I=PRAK-212-	Practio	al Cour	se - Curre	nt Top	ics in Computer So	cience							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading (not) successfully compl	leted Modul level	graduate					
	Courses			P (6) Module taught in: German and English The course is offered in parallel in both German and English.									
	Metho	d of ass	essment	term paper (5 to 15 pages) Language of assessment: German and/or English									
	Additio	onal Info	rmation										

Compulsory Electiv	es (70 E	CTS cre	dits)										
General Compulsor	ry Electiv	ves (mir	1. 50 ECTS	credi	ts)								
10-l=3D-212-m01	3D Poi	nt Cloud	l Process	ing	ng								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	,		V (2) + Ü (2) Module taught in: English								
				If ann of one date) Langu Sepa	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 Separate written examination for Master's students. creditable for bonus								
	Additio	nal Info	rmation	Focus	ses available for st	udents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): KI,LR,HCI,GE				
10-l=BS-212-m01		ting Systems											
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course				+ Ü (2)								
	Method of assessment			If ann of one date) Sepa 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). Separate written examination for Master's students 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,ES,GE,SEC								
10-l=DM-212-m01	Data M	ining	"	•				,					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ 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). Separate written examination for Master's students Language of assessment: German and/or English creditable for bonus									
	Additio	nal Info	rmation	Focus	ses available for st	udents of the Master's	programme Informatik	(Computer Science, 120	ECTS credits): IT,KI,HCI,GE,SEC				

10-I=DB2-212-m01	Databa	ses 2					'					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	S		V (2) +	- Ü (2)	·						
				If annotate).	reditable for bonus anguage of assessment: German and/or English							
	Additio	nal Info	rmation	Focus	es available for st	udents of the Master's programme Informatik	(Computer Science, 120	ECTS credits): SE,KI,HCI				
10-l=ICG-161-m01	Interac	tive Cor	nputer Gr	aphics								
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				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). Separate written examination for Master's students. 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): HCI.								
10-l=KT-212-m01	<u>_</u>		Complex					г.				
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (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). Separate written examination for Master's students Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the following semester creditable for bonus								
	Additio	nal Info	rmation	Focus	es available for st	udents of the Master's programme Informatik	(Computer Science, 120	ECTS credits): AL,IT,KI,ES,GE				

10-l=KD-212-m01	Cryptog	raphy	and Data	Secur	ity			-				
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	;		V (2)	+ Ü (2)							
	Method	of ass	essment	If and of on date) Sepa Lange Asses	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). Separate written examination for Master's students canguage of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the following semester creditable for bonus							
	Addition	nal Info	ormation		ses available for st ,IT,KI,GE,SEC	udents of the Master's programme Informatik	(Computer Science, 12	o ECTS credits):				
10-I=APR-212-m01	Advance	ed Prog	gramming				'					
	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	;		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 examinatio of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). creditable for bonus Language of assessment: German and/or English								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES,GE,SEC								
10-l=SSS-212-m01	Security	of So	ftware Sy	stems								
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	i		V (2) + Ü (2) Module taught in: English								
	Method	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). creditable for bonus Language of assessment: English								
	Addition	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,KI,LR, HCI, ES, SEC								

10-I=RAK-161-m01	Compu	ter Arcl	hitecture								
	ECTS	5	Duration	1	1 semester	Method of grading numerical g	grade	Modul level	graduate		
	Course	S	•	V (2)	+ Ü (2)			•			
				If ann of one date) Sepa 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). Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus						
							Informatik (Compu	iter Science, 120	ECTS credits): SE, IT, ES, LR, GE.		
10-I=SKS-212-m01					Communication Sys						
	ECTS 5 Duration				1 semester	Method of grading numerical g	grade	Modul level	undergraduate		
	Course		_	` ′	+ Ü (2)	rox. 60 to 120 minutes).					
				If ann of one date) Sepa Langu 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). Separate written examination for Master's students 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): IT,ES,LR						
10-I=SEC-212-m01	Introdu	ction t	o IT Secur	ity							
	ECTS	5	Duration		1 semester	Method of grading numerical g	grade	Modul level			
	Course	S			+ Ü (2) ıle taught in: Englisl	1					
				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). Separate written examination for Master's students Language of assessment: English creditable for bonus							
	Additio	nal Info	ormation	Focus	ses available for stu	dents of the Master's programme	Informatik (Compu	iter Science, 120	ECTS credits): SEC		

10-I=WBS-212-	Knowledge-based Systems											
mo1	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). Separ Langu	parate written examination for Master's students nguage of assessment: German and/or English editable for bonus							
						udents of the Master's programme Informati	k (Computer Science, 12	o ECTS credits): SE,IT,KI,HCI,GE				
10-I=PRJAK-212-					puter Science							
mo1	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			P (4)								
				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)								
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI,ES,L-R,HCI,GE								
10-l=AMS-212-m01	Autono	mous M	Mobile Sys	tems				_				
	ECTS	8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (4) - Modu	+ Ü (2) le taught in: Englis	sh						
	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). Creditable for bonus Language of assessment: German and/or English								
	Additio	nal Info	ormation	Focus	es available for st	udents of the Master's programme Informati	k (Computer Science, 12	o ECTS credits): IT,KI,ES,LR,GE				

10-l=A-	Algorit	Algorithms for Geographic Information Systems											
GIS-212-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical grad	de	Modul level	graduate				
	Course	S		V (2) -	/ (2) + Ü (2)								
				If ann of one date). credit 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). creditable for bonus Language of assessment: German and/or English								
					es available for stu	idents of the Master's programme Inf	ormatik (Compu	ıter Science, 12	o ECTS credits): AT,KI,HCI,LR				
10-l=AG-161-m01		tational	Geometr										
	ECTS 5 Duration				1 semester	Method of grading numerical grad	de	Modul level	graduate				
	Course	S		V (2) -	2) + Ü (2)								
	method of document			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,HCI,GE									
10-l=APA-161-m01		imation	Algorith										
	ECTS	5	Duration		1 semester	Method of grading numerical grad	de	Modul level	graduate				
	Course			$V(2) + \ddot{U}(2)$									
	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									
	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	Automata Theory													
	ECTS	5	Duration	1 1 50	emester	Method of grading	numerical grade	Modul level	graduate					
	Course	25		V (2) + Ü (2)			*						
	Method	d of ass	essment	If annound of one car date). creditable Language	written examination (approx. 60 to 120 minutes). Fannounced 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). The reditable for bonus anguage of assessment: German and/or English assessment offered: In the semester in which the course is offered and in the following semester									
	Additio	onal Info	rmation	Focuses a	vailable for s	students of the Master'	s programme Informat	ik (Computer Science, 12	o ECTS credits): AT,IT,ES,HCI,GE					
10-l=AVS-161-m01	Avioni	cs Syste	ems											
	ECTS	5	Duration	1 1 50	emester	Method of grading	numerical grade	Modul level	graduate					
	Course	es.		V (2) + Ü (2)									
	Metho	a 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	onal Info	rmation	Focuses a ES,LR	vailable for s	students of the Master'	s programme Informat	ik (Computer Science, 12	o ECTS credits):					
10-HCI=M-	Multim	Multimodal User Interfaces												
MUI-161-m01	ECTS	5	Duration	1 1 50	emester	Method of grading	numerical grade	Modul level	graduate					
	Course	es		V (2) + Ü (V (2) + Ü (2)									
	Metho	d of ass	essment	presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus										
10-l=BER-212-m01	Compu	ıtability	Theory	"		'		'						
	ECTS	5	Duration	1 1 50	emester	Method of grading	numerical grade	Modul level	graduate					
	Course	25		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). creditable for bonus Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the following semester Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI,GE										
	Additio	nai info	rmation	rocuses a	vallable for s	students of the Master'	s programme informat	ik (Computer Science, 12	to EC15 credits): A1,SE,11,K1,GE					

07-BI-202-m01	Introdu	ction to	Bioinfor	matics									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S	-	V (0,5	/ (o,5) + Ü (4)								
	Method	of asse	essment	Log (a	approx. 30 pages)								
10-l=DDB-212-m01	Deduct	ive Data	bases										
	ECTS 5 Duration		n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			V (2)	$V(2) + \ddot{U}(2)$								
	Method	I of asse	essment	If ann of one date) 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). creditable for bonus Language of assessment: German and/or English								
	Additio	nal Info	ormation Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,KI										
10-l=LP-212-m01	Logic P	rogramı	ming										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)			•	•				
	Method of assessment			If ann of one date) 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 of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 m date). creditable for bonus Language of assessment: German and/or English								
	Additio	nal Info	rmation	Focus	es available for stud	dents of the Master's	programme Informatik (Comp	uter Science, 12	o ECTS credits): AT,SE,IT,KI				
10-l=EL-212-m01	E-Learn	ing											
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	+ Ü (2)								
	Method	l of asse	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). creditable for bonus Language of assessment: German and/or English									
	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-I=PNN-212-m01	Programming with neural nets												
	ECTS	5	Duration	1	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).	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). creditable for bonus Language of assessment: German and/or English								
	Additio	nal Info	rmation										
10-l=NLP-212-m01					cuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,KI,HCI,GE al Language Processing								
101 1121 212 11101		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			V (2) -		metreu er graung nameneat graue		13.44446					
				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). creditable for bonus Language of assessment: German and/or English									
				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,KI,HCI									
10-l=ES-161-m01	Embed	<u>-</u>						1					
		8	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
				V (4) + 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									
	Additio	nal Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,ES,LR,GE									

10-l=IR-212-m01	Information Retrieval												
	ECTS	5 C	Duration		1 semester	Method of grading nume	rical grade	Modul level	graduate				
	Courses	;		V (2) ·	+ Ü (2)	·			-				
	Method	of assess	sment	writte	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								
				If ann	ounced by the lectu	rer at the beginning of the o	course, the written exam	ination may be i	replaced by an oral examination				
				date).	one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-								
					reditable for bonus anguage of assessment: German and/or English								
		nal Inform		Focus	es available for stu	dents of the Master's progra	amme Informatik (Compu	ıter Science, 120	ECTS credits): IT,KI,HCI,GE				
10-HCl=3DUl-161-		Interface											
mo1	ECTS	5 [Duration		1 semester	Method of grading nume	rical grade	Modul level	graduate				
	Courses				+ Ü (2)			,					
	Method	ethod of assessment presentation of project results (approx. 30 minutes)											
					guage of assessment: German and/or English Iitable for bonus								
10-l=KT2-212-m01	Comput	ational C						1					
			Duration		1 semester	Method of grading nume	rical grade	Modul level	graduate				
	Courses			V (2) ·	+ Ü (2)				•				
	Method	of assess		written examination (approx. 60 to 120 minutes).									
									replaced by an oral examination				
				date).		pprox. 20 minutes) or an ora	at examination in groups	or 2 candidates	s (approx. 15 minutes per candi-				
					able for bonus								
				Langu	lage of assessment	: German and/or English							
	A 1 1:1:	11.6				ne semester in which the co							
		nal Inform		Focus	es available for stu	dents of the Master's progra	amme Informatik (Compl	iter Science, 120	o ECIS credits): A1,SE,I1,ES				
10-l=Kl1-212-m01		l Intellige	Ouration		1 semester	Method of grading nume	vical avada	Modul level	ava du ata				
	Courses	_			+ Ü (2)	Method of grading nume	riicai giaue	Modul level	graduate				
						rox. 60 to 120 minutes).							
	Method	OI asses:					course, the written exam	ination may be i	replaced by an oral examination				
				of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes)									
				date).									
					able for bonus	· German and/or Fnglish							
	Additional Information			Language of assessment: German and/or English Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,HCI									
	Addition	iat iiiioiii	lation	rocuses available for students of the master's programme informatik (computer Science, 120 ECTS credits): AT,SE,KI,HCI									

10-l=Kl2-212-m01	Artificial Intelligence 2												
	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).	editable for bonus nguage of assessment: German and/or English								
	Additional Information			Focus	es available for st	udents of the Master's programme Informatik (Comp	uter Science, 12	o ECTS credits): AT,SE,KI,HCI,GE					
10-l=LVS-161-m01	Perforn	nance E	valuation	of Dis	tributed Systems		,						
	ECTS				1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (4) -	+ Ü (2)								
				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-l=ML-212-m01		matical	Logic										
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			V (2) -									
	Method	l of ass	essment	If ann of one date). 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). creditable for bonus Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the following semester								
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,KI,ES									

10-l=MI-212-m01	Medica	l Inforr	natics		-								
	ECTS	5	Duration	n	1 semester	Method of grading numerical	grade	Modul level	graduate				
	Courses	S		V (2)	+ Ü (2)	·		-					
	Method	of ass	essment	If anr of on date) credi	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 candilate). It is a second to be a second to								
	Additio	nal Info	ormation		ses available for stu ,KI,HCI,GE	udents of the Master's programme	e Informatik (Compu	iter Science, 120	o ECTS credits):				
10-l=SB-212-m01	System	ıs Benc	hmarking										
	ECTS	5	Duration	า	1 semester	Method of grading numerical	grade	Modul level					
	Courses	S		V (2)	2) + Ü (2)								
	Additio	Additional Information			f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutate). Irreditable for bonus Language of assessment: German and/or English Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits):								
					SE,IT,ES,HCI,GE								
10-I=PM-212-m01			Project Ma		1			1					
		5	Duration		1 semester	Method of grading numerical	grade	Modul level	graduate				
	Courses		_	V (4)					_				
	Method of assessment			If anr of on date) credi Langi	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 examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candilate). reditable for bonus anguage of assessment: German and/or English								
	Additio	nal Info	ormation	We recommend completing module 10-I=PRJAK in parallel. Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,KI,ES,LR,HCI,GE									

10-l=RO1-212-mo1	Robotics 1												
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			+ Ü (2) lle taught in: English			•					
				If ann of one date) Separ Langu	ounced by the lectu e candidate each (ap	oprox. 20 minutes) or	of the course, the written exam ran oral examination in groups		replaced by an oral examination s (approx. 15 minutes per candi-				
			rmation	Focus	es available for stud	dents of the Master's	programme Informatik (Compi	uter Science, 120	o ECTS credits): KI,ES,LR,HCI,GE				
10-I=RO2-212-mo1			1										
		8	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses				+ Ü (2) le taught in: English	1							
	Method	d of asso	essment	If ann of one date) credit	written examination (approx. 60 to 90 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 candi- date). creditable for bonus Language of assessment: English								
	Additio	nal Info		Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,ES,LR									
10-l=ST-212-m01	Discret	e Event	Simulation	on									
	ECTS	8	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course			\ I/	+ Ü (2)								
				If ann of one date) credit Langu	ounced by the lectu e candidate each (ap able for bonus uage of assessment:	oprox. 20 minutes) or German and/or Engl	of the course, the written exam ran oral examination in groups ish	s of 2 candidates	replaced by an oral examination s (approx. 15 minutes per candi-				
	Additional Information			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,KI,ES,GE									

10-HCl=RIS-182-	Real-Ti	me Inte	eractive Sy	stems	 ;			,					
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul le	evel	graduate			
	Course	S		V (2)	+ Ü (2)			•					
	Method	d of ass	essment	If anr of on date) Lang	vritten 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		ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI. If. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).								
10-I=SAR-161-m01	Softwa	re Arch	itecture					·					
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul le	evel	graduate			
	Course	S		V (2)) + Ü (2)								
			essment	If ann of on date) Langu credi	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): SE,IT,ES								
10-l=SSD-152-m01	Spaced	raft Sy	stem Desi	gn	n								
	ECTS	8	Duration	n	1 semester	Method of grading	numerical grade	Modul le	evel	graduate			
	Course	S		V (4)	+ Ü (2)								
	Method	d of ass	essment		written examination (approx. 60 to 120 minutes) creditable for bonus								
	Additional Information				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES, LR								
10-HCI=M-	Machir	ıe Learr	ning (for U	ser In	terfaces)			,					
LUI-161-mo1	ECTS 5 Duratio			n	1 semester	Method of grading	numerical grade	Modul le	evel	graduate			
	Course	S		V (2)	V (2) + Ü (2)								
				presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus									

10-l=VG-161-m01	Visualiz	zation of	f Graphs										
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		V (2)	+ Ü (2)								
	Method	d of asse		If ann of one date) Langu	nguage of assessment: German and/or English editable for bonus								
		nal Infor		AT,IT,	cuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ,IT,HCI,GE								
10-l=AGE-191-m01	Selecte	ed Topics	s of Game	es Eng	gineering								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		V (2)	2) + Ü (2)								
	metnod	or asse		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 Infor	mation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): GE.									
10-l=AKA-161-m01	Selecte	ed Topics	s in Algor	ithms				·					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		V (2)	+ Ü (2)								
	Method	d of asse		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			Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT									

10-I=AKT-161-m01	Selecte	ed Topic	s in Theo	ry	,		1					
	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	vritten 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 from candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). anguage of assessment: German and/or English reditable for bonus							
				AT		dents of the Master's programme Informatik (Co	omputer Science, 12	o ECTS credits):				
10-l=AK-	Selecte	ed Topic	s in Softv	vare Eı	re Engineering							
SE-161-m01	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2)	(2) + Ü (2)							
			essment ormation	If ann of one date) Langu credit	Language of assessment: German and/or English creditable for bonus							
10-l=A-					Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE.							
10-1=A- KITS-212-m01		5	Duration		1 comester	Method of grading numerical grade	Modul level	graduate				
	Course		Duration	1 semester Method of grading numerical grade Modul level graduate V(2) + Ü(2) Module taught in: English								
	Method	d of ass		If ann of one date) credit 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). creditable for bonus Language of assessment: English							
	Additio	nal Info	ormation		ses available for stu LR, HCI, ES, SEC	idents of the Master's programme Informatik (Co	omputer Science, 12	o ECTS credits):				

10-I=AKIT-161-m01	Selected	Selected Topics in Internet Technologies												
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses		V (2) +	+ Ü (2)			•							
	Method	of assessment	If ann	n examination (approunced by the lectur	er at the beginning	of the course, the writter	n examination may be i	replaced by an oral examination						
			date). Langu		s (approx. 15 minutes per candi-									
	Addition	al Information	Focus	ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT.										
10-l=AKIS-212-m01	Selected	Topics in Intel	ligent S	ent Systems										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses		V (2) +	+ Ü (2)										
	Method	of assessment	If annoted of one date).	ten examination (approx. 60 to 120 minutes). Innounced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination ne candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cande). It alitable for bonus guage of assessment: German and/or English										
	Addition	al Information	Focus Kl	es available for stud	ents of the Master's	programme Informatik (Computer Science, 120	ECTS credits):						
10-l=A-	Selected Topics in Embedded Systems													
KES-161-m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses		V (2) +											
	Method o	of assessment	If annoted of one date).	e candidate each (ap	rer at the beginning oprox. 20 minutes) o	of the course, the writter r an oral examination in	n examination may be I groups of 2 candidates	replaced by an oral examination s (approx. 15 minutes per candi-						
	Addition	al Information	Focus	es available for stud	ents of the Master's	programme Informatik (Computer Science, 120	ECTS credits): ES.						
10-I=STM-162-m01	NLP and	Text Mining					'							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses		V (2) +	+ Ü (2)	•	•	•	-						
	Method (of assessment	If annoted 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										
	Addition	al Information	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, IT, HCI.											

10-l=AKL-	Selecte	ed Topic	cs in Aeros	space	Engineering	,								
R-161-mo1	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	writte	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										
					f one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). deparate written examination for Master's students. anguage of assessment: German and/or English reditable for bonus									
	Additio	nal Info	ormation		uses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR.									
10-I=AKH-	Selecte	ed Topic	cs in HCI			,	, ,							
Cl-182-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course			V (2)	V (2) + Ü (2)									
	Method	d of ass	essment	writte	en examination (6	o to 120 minutes).		,						
									replaced by an oral examination					
						(approx. 20 minutes) o	r an oral examination in	groups of 2 candidate	s (approx. 15 minutes per candi-					
				date)	nate). Language of assessment: German and/or English									
				creditable for bonus										
	Additio	nal Info	 ormation		=	tudents of the Master's	s programme Informatik (Computer Science, 12	o ECTS credits): HCI.					
10-l=AKII-182-m01	Selected Topics in Computer Science													
	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	writte	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									
						(approx. 20 minutes) c	or an oral examination in	groups of 2 candidate	s (approx. 15 minutes per candi-					
				date)		nt: German and/or Eng	lich							
					table for bonus	int. Octiman ana/or Eng	(131)							
10-I=TSD-212-m01	Teleco	mmunic	ation Sys	tems										
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S			+ Ü (2)	·								
					ıle taught in: Engl									
	Method	d of ass	essment			pprox. 90 to 120 minut								
									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).										
				creditable for bonus										
					anguage of assessment: English									
	Additional Information				Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR									
Master's with 1 major Cor	major Computer Science (2021) JMU Würzburg • generated 21-Okt-2023 • exam. reg. data record 88 079 - - H 2021 page 21 / 30													

10-l=RRS-212-m01	Radar I	Radar Remote Sensing												
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level							
	Course	S		V (2) - Modu	+ Ü (2) le taught in: Englisl	h								
	Method	d of ass		If ann of one date).	editable for bonus nguage of assessment: English									
	Additio	nal Info	rmation	Focus LR	es available for stu	dents of the Master's programme Informatik (0	Computer Science, 120	ECTS credits):						
10-l=QC-221-m01	Quantı	ım Com	municatio	ns										
	ECTS				1 semester	Method of grading numerical grade	Modul level							
	Course	S			(2) + V (2) lodule taught in: English									
	Method	d of ass		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 ex of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes date). Language of assessment: English creditable for bonus									
	Additio	nal Info	rmation	Focus	es available for stu	dents of the Master's programme Informatik (C	Computer Science, 120	ECTS credits): LR						
10-I=DRLOC-221-	Deep R	einforc	ement Lea	rning	for Optimal Control		'							
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level							
	Course	S			+ Ü (2) le taught in: Englisl	h	,							
	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: English creditable for bonus										

10-xtAl=CV-202-	Compu	Computer Vision												
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	·		+ Ü (2) Ile taught in: Englis	h								
	Method	d of ass	essment	If ann of one date) Langu	anguage of assessment: English reditable for bonus									
10-l=M-	Modeli	ng and	Simulatio	n of S	mart Energy Syster	ns								
SIE-221-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level						
	Course	S		V (2) + Ü (2)										
	Method	of ass	essment	If ann of one date)	ounced by the lect e candidate each (a		f the course, the writter		replaced by an oral examination (approx. 15 minutes per candi-					
10-I=NA-	Sustainable Mobility													
MO-221-m01	ECTS 5 Duration				1 semester	Method of grading	numerical grade	Modul level						
	Course	S		V (2)	+ Ü (2)				-					
	Method	d of ass	essment	If ann of one date)	ounced by the lect e candidate each (a		f the course, the writter		replaced by an oral examination s (approx. 15 minutes per candi-					
10-l=MLN1-221-	Machir	e Learn	ing for No	twork	S 1			1						
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level						
	Course	ses V (2) + Ü (2) Module taught in: 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: English creditable for bonus										
	Additio	nal Info	rmation	Focus	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,SE,KI,HCI									

10-l=MLN2-221-	Machin	e Learn	ing for No	etwork	5 2			·				
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level				
	Course	S	•		+ Ü (2) le taught in: English	· I		•				
	Method	d of asse	essment	If ann of one date) Langu	ounced by the lectu e candidate each (ap	oprox. 20 minutes) o	of the course, the writ		replaced by an oral examination s (approx. 15 minutes per candi-			
	Additio	nal Info	rmation	Focus	es available for stud	dents of the Master's	programme Informat	ik (Computer Science, 120	ECTS credits): AT,IT,SE,KI,HCI			
Projects and Tarini	ng (max	. 20 ECT	S credits)								
10-I=RSE-182-m01	Space S	Systems	Design									
		10	Duration	,	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course											
	Method of assessment			Asses projection	oroject report (10 to 15 pages) and presentation of project (15 to 30 minutes) 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.) anguage of assessment: German and/or English							
	Additional Information			Cf. Se	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=EPB-182-m01												
		10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			R (6)					_			
	Method	d of asse	essment	Asses proje	ssment offered: In th ct with the same top	e semester in which	therefore, only be offe	(The project will not be re	peated; there will not be another d in the respective semester.)			
	Additio	nal Info	rmation				programme Informat bject-specific provisio	ik (Computer Science, 120 ons).	ECTS credits): LR.			
10-I=PRT-212-m01	Practic	al cours	e - Rocke	t Engi	neering and Payload	ls						
	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		P (6)								
	Method of assessment			report on practical course (4 to 5 pages) and presentation of results (15 to 30 minutes) Language of assessment: German and/or English								
	Additional Information			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=FZB-182-m01	Aircraft	t Const	ruction			1							
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		R (6)									
	Method	d of ass	essment	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								
					ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR. f. Section 3 Subsection 3 Sentence 8 FSB (subject-specific provisions).								
10-l=F-	Flight S	Simulat	or					'					
SIM-182-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	roject report (10 to 15 pages) and presentation of project (15 to 30 minutes) eparate written examination for Master's students. anguage of assessment: German and/or English reditable for bonus								
	Additional Information					udents of the Master's 3 Sentence 8 FSB (sub		(Computer Science, 12 s).	o ECTS credits): LR.				
10-l=GRL-	Game F	Game Research Lab - Theory											
T-182-m01	ECTS	10	Duratio	n 1 semester		Method of grading numerical grade		Modul level	graduate				
	Course	S		R (4)	R (4)								
	Method	d of ass	essment	Langu		ages) and presentation t: German and/or Engli		inutes)					
	Additio	nal Info	rmation			udents of the Master's 13 Sentence 8 FSB (sub		(Computer Science, 12 s).	o ECTS credits): GE.				
10-I=GRAR-182-	Game F	Researc	h Lab - Ar	chitec	tures								
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical 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								
	Additional Information			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=GRDE-182-	Game Research Lab - Design											
mo1	ECTS 10 Duration			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R (4)				•				
	Method	of ass	essment		project report (10 to 15 pages) and presentation of project (15 to 30 minutes)							
						: German and/or Eng	lish					
	۸dditio	nal Info	rmation		creditable for bonus							
				Cf. Se	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=GRAP-182-	Game Research Lab - Applications											
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		R (4)								
	Method	d of ass		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	ormation	Focus Cf. Se	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	Practical Course - Algorithms and Theory 1											
	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)								
	Method	d of ass	essment	report (3 to 5 pages) and presentation of results (approx. 5 to 10 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): AT.								
10-I-PAT2-182-m01	Practical Course - Algorithms and Theory 2											
	ECTS	10	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)								
	Method	d of ass	essment	report (3 to 5 pages) and presentation of results (approx. 5 to 10 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): AT.								
10-I-PSE1-182-m01	Practical Course - Software Engineering 1											
	ECTS 10 Duratio			ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		R (6)	R (6)							
	Method	d of ass	essment	Langu	report (3 to 5 pages) and presentation of results (approx. 5 to 10 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 (Comp	outer Science, 12	o ECTS credits): SE.			

10-I-PSE2-182-m01	Practica	al Cours	e - Softw	are En	gineering 2						
	ECTS 10 Duratio		Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			R (6)	₹ (6)						
	Method of assessment			report (3 to 5 pages) and presentation of results (approx. 5 to 10 minutes) 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): SE.						
10-I-PIT1-182-m01	Practical Course - Internet Technology 1										
	ECTS 10 Duration			n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	5		R (6)							
	Method of assessment			Langu	report (3 to 5 pages) and presentation of results (approx. 5 to 10 minutes) Language of assessment: German and/or English creditable for bonus						
	Addition	nal Info	rmation	Focus	es available for stuc	dents of the Master's	programme Informatik (0	Computer Science, 120	o ECTS credits): IT.		
10-I-PIT2-182-m01	Practical Course - Internet Technology 2										
	ECTS 10 Duratio		Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		-	R (6)							
	Method of assessment			report (3 to 5 pages) and presentation of results (approx. 5 to 10 minutes) Language of assessment: German and/or English creditable for bonus							
	Addition	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT.							
10-I-PIS1-212-m01	Practical Course - Intelligent Systems 1										
	ECTS 10 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		R (6)								
	Method of assessment			report (3 to 5 pages) and presentation of results (approx. 5 to 10 minutes) creditable for bonus Language of assessment: German and/or English							
	Addition	nal Info	rmation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): KI							
10-I-PIS2-212-m01	Practica	al Cours	e - Intelli	igent Systems 2							
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			R (6)	R (6)						
	Method of assessment			Langu		presentation of resul German and/or Eng	ts (approx. 5 to 10 minute ish	es)			
	Additional Information			Focus	es available for stuc	dents of the Master's	programme Informatik (0	Computer Science, 12	ECTS credits): KI.		

10-I-PES1-182-m01	Practic	al Cours	e - Embe	dded S	ystems 1								
	ECTS 10 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses			R (6)									
	Method	d of asse	essment	report (3 to 5 pages) and presentation of results (approx. 5 to 10 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	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		R (6)									
	Method	d of asse	essment	report (3 to 5 pages) and presentation of results (approx. 5 to 10 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): ES.									
10-I-PHCl1-182-	Practic	Practical Course - Human Computer Interaction 1											
mo1	ECTS 10 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		R (6)										
	Method of assessment			report (3 to 5 pages) and presentation of results (approx. 5 to 10 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 (Com	puter Science, 12	ECTS credits): HCI.				
10-l-PHCl2-182-	Practic	al Cours	e - Huma	n Computer Interaction 2									
mo1	ECTS 10 Duratio		Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			R (6)									
	Method of assessment			Langu	report (3 to 5 pages) and presentation of results (approx. 5 to 10 minutes) 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): HCI.								

10-I-EHL1-212-m01	Practical Course - Ethical Hacking Lab / Software											
	ECTS 10 Duration			1 semester	Method of grading numerical grade	Modul level						
	Course	S	•	R (6) Modu	R (6) 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). and report (5-8 pages), weighting: written examination: 100%; The report just has to be passed creditable for bonus Language of assessment: English								
	Additio	nal Info	ormation	Focus SEC	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SEC							
10-l-EHL2-212-m01	Practical Course - Ethical Hacking Lab / Networks											
	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level					
	Course	S		R (6) Modu	R (6) 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). and report (5-8 pages), weighting: written examination: 100%; The report just has to be passed creditable for bonus Language of assessment: English								
	Additio	nal Info	ormation	Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SEC								
10-l=TEL-212-m01	Telecommunication Systems Lab											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level					
	Courses			V (2) + P (4) Module taught in: English								
	Method	d of ass	essment	a) written examination (approx. 20 minutes) or b) oral group examination (max. 3 candidates, approx. 15 minutes each) or c) report (4-8pages) Language of assessment: English								
	Additional Information			Focus LR	ses available for st	udents of the Master's programme Informatik (Computer Science, 120	ECTS credits):				

10-I=RSL-212-m01	Radar Systems Lab											
	ECTS 5 Duration				1 semester	Method of grading numerical grade	Modul level					
	Courses			V (2) + P (4)								
				Module taught in: English								
	Method	d of ass	essment		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 examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi-							
				date) or report (4-8 pages)								
					Language of assessment: German and/or English Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SEC							
	Additio	nal Info	ormation	Focus SEC								
10-I=PCV-221-m01	Practic	al Com _l	outer Visi	on								
	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level					
	Course	S		R (6)								
	Method	d of ass	essment	report (10 to 15 pages) and presentation of results (approx. 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): KI,LR;HCI								
Thesis (30 ECTS cre	edits)											
10-I-MA-MK-212-	Concluding Colloquium Computer Science											
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			K (o)								
	Method	d of ass	essment	final colloquium (approx. 60 minutes) Language of assessment: German and/or English								
10-I-MA-161-m01	Master	's Thes	is Compu	ter Science								
	ECTS 25 Duration			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses Method of assessment			No co	No courses assigned to module							
				Master's thesis (50 to 100 pages) Language of assessment: German and/or English								
	Additional Information			Time	o complete: 6 mon	ths						