

## **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: Institute of Computer Science

Examination regulations version: 2014

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 modules in this SFB: ditable

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

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

## ASPO2009

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

## 24-Mar-2014 (2014-7)

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		Duration	(in semesters)	Method of grading		Module level					
	Courses		To be spe	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	ssessm	ent									
	Only after su completion o		l if applica	fapplicable								
	Other prereq	uisites	if applica	if applicable								
	Participants on of places		ocati- if applica	if applicable								
	Additional in	formati	on if applica	ble								
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teachin	g-degree programmes)						

Thesis (30 ECTS cr	edits)								
10-l=MA-141-m01	Master	Thesis							
	ECTS	30	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	S	`	C (no	information on SWS	(weekly contact hou	rs) and course langu	ıage available)	-
	Method	d of ass	essment		n thesis (approx. 75 lage of assessment:				
Compulsory Course	es (15 EC	TS cred	lits)						
10-l=SEM3-141-	Semina	ır							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	S		S (no	information on SWS	(weekly contact hou	irs) and course langu	ıage available)	
	Method	d of ass	essment	the to	n elaboration (appropic of the seminar lage of assessment:		nd oral presentation	(approx. 30 to 45 minute	s) with subsequent discussion on
10-I=PRAK-141-	Practic	al Cour	se					,	
mo1	ECTS	10	Duratio	<u> </u>	1 semester	Method of grading	(not) successfully c	ompleted   Modul level	graduate
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course langu	iage available)	
	Method	d of ass	essment		n elaboration of pra lage of assessment:	ctical work (approx. German, English	5 to 15 pages)		
Compulsory Electiv	es (75 E	CTS cre	dits)						
10-l=3D-141-m01	3D Poir	nt Cloud	l Processi	ng					
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	S	<u>'</u>	V + Ü	(no information on S	SWS (weekly contact	hours) and course la	anguage available)	
	Method	d of ass	essment	exam group		ced by an oral exami ox. 30 minutes)			ning of the course, the written nutes) or an oral examination in
10-I=BS-141-m01	Operat	ing Sys	tems					,	
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course la	inguage available)	
	Method	d of ass	essment	exam group		ced by an oral exami ox. 30 minutes)			ning of the course, the written nutes) or an oral examination in

10-I=DM-141-m01	Data M	ining											
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	S		V + Ü	(no information of	on SWS (weekly contact hours) and cou	urse language av	ailable)					
	Method	Method of assessment  Databases			ritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written xamination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in roups (groups of 2, approx. 30 minutes) anguage of assessment: German, English								
10-I=DB-141-m01	Databa	ses											
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	undergraduate				
	Course	S		V + Ü	- Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	l of asse	essment	exam group	en examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written ination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in os (groups of 2, approx. 30 minutes) uage of assessment: German, English								
10-l=ICG-141-m01	Interac	tive Cor	nputer Gr	aphic	5								
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	S		V + Ü	(no information o	on SWS (weekly contact hours) and cou	urse language av	ailable)					
	Method	l of asse	essment	exam	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination i groups (groups of 2, approx. 30 minutes)								
10-l=KT-141-m01	Compu	tational	Complex	ity	-								
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	l of asse	essment	exam	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English								
10-l=KD-141-m01	Crypto	graphy a	and Data	Secur	ity								
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	S		V + Ü	(no information of	on SWS (weekly contact hours) and cou	urse language av	ailable)					
	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 can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German, English									

10-I=00P-141-m01	Object	oriented	l Program	nming									
	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	undergraduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course langua	age available)						
	Method	l of asse	essment	exam group									
10-I=RAK-141-m01	Compu	ter Arch	itecture										
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course langua	age available)						
	Method	l of asse	essment	exam group	ination can be repla s (groups of 2, app	examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the wation can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examin (groups of 2, approx. 30 minutes) ge of assessment: German, English							
10-I=RK-141-m01	Compu	ter Netw	orks and	Comn	nunication Systems	5							
	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course langua	age available)						
	Method	l of asse	essment	exam group	ritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the writt xamination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examinatio roups (groups of 2, approx. 30 minutes) anguage of assessment: German, English								
10-I=WBS-141-m01	Knowle	dge-bas	sed Syste	ms	,								
	ECTS	5	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and course langua	age available)						
	Method	l of asse	essment	exam group		ng of the course, the written utes) or an oral examination in							
10-I=SEM4-141-	Semina	ar			,								
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (no	information on SW	S (weekly contact hours) and course language a	available)						
	Method	d of asse	essment	written elaboration (approx. 10 to 15 pages) and oral presentation (approx. 30 to 45 minutes) with subsequent discussion or the topic of the seminar Language of assessment: German, English									

10-I=PRJ-141-m01	Project													
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	d Modul level	graduate					
	Course	S		R (no	information on SWS	(weekly contact hou	rs) and course language avai	lable)	-					
	Method	d of ass	essment	Asses	ssment offered: The	project will not be re for the project offere	sentation of project (approx. peated; there will not be anot d in the respective semester.	her project with t	) the same topic. Assessment can,					
	Additio	nal Info	rmation	Each	project is offered on	e time only.								
10-l=AA-141-m01	Advanc	ed Auto	mation											
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	Ü (no information on SWS (weekly contact hours) and course language available)									
				exam group Langi	n examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the writt ination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examinatio s (groups of 2, approx. 30 minutes) lage of assessment: German, English									
10-I=AGIS-141-m01	Algorit	hms for	Geograp	nic Inf	Information Systems									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method	d of ass	essment	exam group	vritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the w examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examir groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English									
10-l=AG-141-m01	Compu	tationa	l Geometr	y										
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method	d of ass	essment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, th examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral exar groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English										
10-I=APA-141-m01	Approx	imation	Algorith	ms				,						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	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 can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English										

10-I=AUT-141-m01	Automa	ata The	ory								
	ECTS	5	Duratio	า	1 semester	Method of grading numerical	l grade	Modul level	graduate		
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and	l course language av	⁄ailable)			
	Method	d of ass	essment	exam group	ination can be repose (groups of 2, ap	opprox. 60 to 120 minutes); if anno blaced by an oral examination of o oprox. 30 minutes) nt: German, English					
10-l=AVS-141-m01	Avionic	s Syste	ems			<del>-</del>					
·	ECTS	5	Duratio	n	1 semester	Method of grading numerical	l grade	Modul level	graduate		
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and	l course language av	vailable)	•		
			essment	exam group	ination can be repos os (groups of 2, ap	pprox. 60 to 120 minutes); if anno blaced by an oral examination of o pprox. 30 minutes) nt: German, English					
06-HCI=BS-141-	User In	terface	s								
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical	l grade	Modul level	graduate		
	Course	S		V + Ü	+ S (no information	on on SWS (weekly contact hours)	and course languag	e available)			
	Method	d of ass	essment	prese tion (	s specified by the lecturer at the beginning of the course a) written examination (approx. 75 minutes) or b) presentation or resentation of project (approx. 20 minutes) with written elaboration or documentation (approx. 10 pages) or c) oral examina on (approx. 30 minutes) anguage of assessment: German, English						
10-l=BER-141-m01	Compu	tability	Theory								
	ECTS	5	Duratio	า	1 semester	Method of grading numerical	l grade	Modul level	graduate		
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	exam group	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English						
07-BI-141-m01	Bioinfo	rmatics	5								
	ECTS	5	Duratio	า	1 semester	Method of grading numerical	l grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and	l course language av	/ailable)			
	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 can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English							

10-I=CB-141-m01	Compil	er Cons	truction									
	ECTS	8	Duratio	า	1 semester	Method of grading numerical grade	Mo	dul level	graduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and course	language availab	ole)				
	Method	d of ass	essment	exam	ritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written kamination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in coups (groups of 2, approx. 30 minutes)							
				Langi	lage of assessme	nt: German, English						
10-I=DB2-141-m01	Databa	ses 2										
	ECTS	5	Duratio		1 semester	Method of grading   numerical grade		dul level	graduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and course	language availab	ole)				
			essment	If ann one c	ounced by the led andidate each (a <sub>l</sub>	pprox. 60 to 120 minutes) cturer at the beginning of the course, the w oprox. 20 minutes) or an oral examination nt: German, English if agreed upon with th	in groups (group					
10-I=DDB-141-m01			abases									
	ECTS 8 Duratio				1 semester	Method of grading   numerical grade		dul level	graduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and course	language availab	ole)				
	Method of assessment			exam group	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English							
10-l=EL-141-m01	E-Learr	ning			,		,					
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Mo	dul level	graduate			
	Course	S		V + Ü	(no information o	n SWS (weekly contact hours) and course	language availab	ole)				
	Method	d of ass	essment	exam group	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English if agreed upon with the examiner							
o6-MCI=Ein-	Introdu	icing to	Human-C	omput	er-Interaction		'					
f-141-m01	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Mo	dul level	undergraduate			
	Course	S		V + Ü	+ S (no information	on on SWS (weekly contact hours) and cou	ırse language ava	ailable)				
	Method of assessment			as specified by the lecturer at the beginning of the course a) written examination (approx. 75 minutes) or b) presentation or presentation of project (approx. 20 minutes) with written elaboration or documentation (approx. 10 pages) or c) oral examination (approx. 30 minutes)  Language of assessment: German, English								

10-I=ES-141-m01	Embed	lded Sys	stems										
	ECTS	8	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	!S		V + Ü	(no information of	on SWS (weekly contact hours) and cou	urse language av	ailable)					
	Method	d of ass	sessment			o to 120 minutes); if announced by the							
				of 2,	an be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups 2, approx. 30 minutes) anguage of assessment: German, English								
10-l=PA-141-m01	Progra	m Desig	gn and An		lage of assessme	ent: German, English							
101 17(141 11101	ECTS	5	Duration		1 semester	Method of grading   numerical gra	ade	Modul level	graduate				
	Course			V + Ü	(no information (	on SWS (weekly contact hours) and cou		railable)	10				
	Method	d of ass	sessment	exam group	n examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written ination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in s (groups of 2, approx. 30 minutes) age of assessment: German, English if agreed upon with the examiner								
10-l=IR-141-m01	Inform	ation Re	etrieval										
	ECTS	5	Duration	ì	1 semester	Method of grading   numerical gra	ade	Modul level	graduate				
	Course	!S		V + Ü	(no information of	on SWS (weekly contact hours) and cou	urse language av	ailable)					
	Method	d of ass	sessment	exam group	vritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English if agreed upon with the examiner								
o6-HCl=IS-141-	Interac	tive Sy	stems					'					
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	!S		V + Ü	V + Ü + S (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	sessment	prese tion (	as specified by the lecturer at the beginning of the course a) written examination (approx. 75 minutes) or b) presentation or presentation of project (approx. 20 minutes) with written elaboration or documentation (approx. 10 pages) or c) oral examination (approx. 30 minutes)  Language of assessment: German, English								
10-l=KT2-141-m01	Compu	ıtationa	l Complex	ity II									
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate				
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English									

10-l=Kl1-141-m01	Artifici	al Intell	ligence 1 f	or Bus	iness Informatics				-
	ECTS	5	Duratio	n	1 semester	Method of grading numerical gra	ade	Modul level	graduate
	Course	S		V + Ü	(no information or	SWS (weekly contact hours) and co	urse language av	ailable)	
	Method	d of ass	essment	exam group	ination can be replos (groups of 2, app	prox. 60 to 120 minutes); if announc aced by an oral examination of one o prox. 30 minutes) t: German, English if agreed upon wi	candidate each (		
10-l=Kl2-141-m01	Artifici	al Intell	ligence 2	for Bus	iness Informatics			,	
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate
	Course	S		V + Ü	(no information or	SWS (weekly contact hours) and co	urse language av	ailable)	
		Wethod of assessment written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the cours examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English if agreed upon with the examiner							
10-l=LVS-141-m01	Perforr	nance E	valuation	of Dis	tributed Systems				-
	ECTS	8	Duratio	1	1 semester	Method of grading   numerical gra	ade	Modul level	graduate
	Course	S		V + Ü	(no information or	SWS (weekly contact hours) and co	urse language av	⁄ailable)	
	Method	d of ass	essment	can b	e replaced by an o approx. 30 minutes	to 120 minutes); if announced by th ral examination of one candidate eads) t: German, English			
10-l=ML-141-m01	Mathe	matical	Logic		,			'	
	ECTS	5	Duratio	1	1 semester	Method of grading numerical gra	ade	Modul level	graduate
	Course				<u>,                                      </u>	SWS (weekly contact hours) and co			
	Method	d of ass	f assessment written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination of one candidate each (approx. 20 minutes) or an oral examination of one candidate each (approx. 20 minutes) Language of assessment: German, English						
10-l=Ml-141-m01	Medica	al Inforn	natics		'			"	
	ECTS	5	Duratio	n	1 semester	Method of grading numerical gra	ade	Modul level	graduate
	Course	S		V + Ü	(no information or	SWS (weekly contact hours) and co	urse language av	ailable)	
	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 can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					

10-I=PEB-141-m01	Perforn	nance E	ngineerin	g & B	enchmarking of C	omputer Systems								
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information o	on SWS (weekly contact	hours) and course langua	ge available)						
	Method	d of ass	essment	exam group	ination can be re os (groups of 2, ap				ng of the course, the written utes) or an oral examination in					
10-I=PM-141-m01	Profess	sional P	roject Ma			Tit. German, English								
101 1111 141 11101		5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course						rs) and course language a		3.44441					
	Method	d of ass	essment	exam group	ination can be re os (groups of 2, ap				ng of the course, the written utes) or an oral examination in					
	other p	rerequi	sites	Simultaneous completion of module 10-I=PRJ is recommended.										
10-I=RAM-141-m01	Compu	ter Aritl	hmetic											
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	(no information of	on SWS (weekly contact	hours) and course langua	ge available)						
	Method	d of ass	essment	exam group	ritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written xamination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in roups (groups of 2, approx. 30 minutes) anguage of assessment: German, English									
10-I=RO1-122-mo1	Robotic		,		-1									
	ECTS	8	Duratio		1 semester	Method of grading		Modul level	graduate					
	Course						nours) and course langua	ge available)						
	Method	d of ass	essment		en examination (a uage of assessme	pprox. 60 to 90 minutes nt: English	5)							
10-l=RO2-122-m01	Robotic	CS 2												
	ECTS	8	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + T	(no information o	n SWS (weekly contact l	nours) and course langua	ge available)						
	Method	d of ass	essment		en examination (a uage of assessme	pprox. 60 to 90 minutes nt: English	s)							
10-l=ST-141-m01	Discret	e Event	Simulation	on										
	ECTS 8 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination i groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English										
Master's with 1 major Cor							IMII Wiirzhurg • generated 26	Aug and a grown was data	record 88 070					

06-HCI=ST-141-	Softwa	re Techi	nology of	Intera	ctive Systems	,	,	,					
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + Ü	+ S (no information	n on SWS (weekly con	tact hours) and course langua	ge available)					
	Method	d of asse	essment	prese tion (	s specified by the lecturer at the beginning of the course a) written examination (approx. 75 minutes) or b) presentation or esentation of project (approx. 20 minutes) with written elaboration or documentation (approx. 10 pages) or c) oral examination (approx. 30 minutes) anguage of assessment: German, English								
10-l=SA-141-m01	Softwa	re Archi	tecture										
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	s		V + Ü	Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	f assessment written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English										
10-I=SPA-141-m01	Space A	Automat	ion										
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + Ü	(no information o	n SWS (weekly contact	hours) and course language a	vailable)					
	Method	d of asse	essment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral exam groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English									
10-l=SSD-122-m01	Spaced	raft Sys	tem Desi	gn									
	ECTS	8	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V + T	(no information or	SWS (weekly contact	hours) and course language a	vailable)					
	Method	d of asse	essment		n examination (ap	prox. 60 to 90 minute nt: English	s)	,					
10-l=STM-141-m01	NLP an	d Text N	lining					,					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + Ü	/ + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English									

10-l=VG-141-m01	Visualiz	zation o	f Graphs			1		-		
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S		V + Ü	(no information o	n SWS (weekly contact	t hours) and course lang	uage available)		
	Method	l of asse	essment	exam group	ination can be rep s (groups of 2, ap	laced by an oral exam			ng of the course, the written utes) or an oral examination in	
10-l=A-	Selecte	d Topic	s in Algo	rithms	and Theory					
KAT-141-m01	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S	•	V + Ü	(no information or	n SWS (weekly contact	t hours) and course langi	uage available)		
				exam group Langu	ination can be rep s (groups of 2, ap lage of assessmer				ng of the course, the written utes) or an oral examination in	
10-l=AK-	Selecte	d Topic	s in Softv	vare Er	gineering					
SE-141-m01	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S		V + Ü	(no information or	n SWS (weekly contact	t hours) and course lang	uage available)		
	Method	l of asse	essment	exam group	vritten examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral exam groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English					
10-l=AKIT-141-m01	Selecte	d Topic	s in Inter	net Te	hnologies					
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S	·	V + Ü	(no information or	n SWS (weekly contact	t hours) and course langi	uage available)		
	Method of assessment written examination (approx. 60 to 120 minutes); if announced by the lecturer at the lexamination can be replaced by an oral examination of one candidate each (approx. groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					lecturer at the beginni e each (approx. 20 minu	ng of the course, the written utes) or an oral examination in			
10-I=AKIS-141-m01	Selecte	elected Topics in Intelligent Systems								
	ECTS	5	Duratio	on 1 semester Method of grading numerical grade Modul level					graduate	
	Courses	S	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	hod of assessment written examination (60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examinated can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)						e course, the written examination al examination in groups (groups		

10-I=A- KES-141-m01	Selected Topics in Embedded Systems								
	ECTS 5 Duration			1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					
10-I=AKL- R-141-m01	Selected Topics of Aerospace Engineering								
	ECTS 5 Duration			1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	S		V + Ü (no information on SWS (weekly contact hours) and course language available)					
				written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					
10-I=AKH- CI-141-m01	Selected Topics in HCI								
	ECTS 5 Duratio				1 semester	Method of grading		Modul level	graduate
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method	l of asse		written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					
10-I=AKI-141-m01	Selected Topics in Computer Science								
	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups (groups of 2, approx. 30 minutes)  Language of assessment: German, English					