



Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Computer Science as a Bachelor's with 1 major with the degree "Bachelor of Science" (180 ECTS credits)

Responsible: Institute of Computer Science Examination regulations version: 2014 Abbreviations used: Course types: $\mathbf{E} = \text{field trip}$, $\mathbf{K} = \text{colloquium}$, $\mathbf{O} = \text{conversatorium}$, $\mathbf{P} = \text{placement/lab course}$, $\mathbf{R} = \text{project}$, $\mathbf{S} = \text{seminar}$, $\mathbf{T} = \text{tutorial}$, $\mathbf{\ddot{U}} = \text{exercise}$, \mathbf{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) Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-Conventions for the modules in this SFB: ditable for bonus. Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the me-Information on thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the assessment procedures: 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:

ASP02009

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

24-Mar-2014 (2014-8)

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		Durati	on	(in semesters)	Method of grading		Module level			
	Courses			To be spe	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of assessment										
	Only after successful completion of			if applicable							
	Other prerequisites			if applicable							
	Participants and allocati- on of places		locati-	if applicable							
	Additional in	format	tion	if applicable							
	Referred to in LPO I		if applicable (examination regulations for teaching-degree programmes)								

Thesis (10 ECTS cre	dits)									
10-I-BA-141-m01	Bachelo	r-Thesi	is							
	ECTS :	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses			C (no	information on SWS	(weekly contact hours) and course language availa	ble)			
	Method	ofasse	essment	writte	n thesis (approx. 50	to 100 pages)				
	(50			Langu	lage of assessment:	German, English				
Lompulsory Courses (115 EUTS credits)										
Subfield Computer	Science ((85 ECT	S credits	5)						
10-I-EinP-141-m01	Introduc	tion to	Program	ming						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses			V + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)			
	Method	ofasse	essment	writte exami group	n examination (app ination can be repla s (groups of 2, appr	rox. 60 to 120 minutes); if announced by the lecture ced by an oral examination of one candidate each (a ox. 30 minutes)	r at the beginni approx. 20 min	ng of the course, the written utes) or an oral examination in		
10-I-ADSV-141-m01	Algorith	m and	data stru	ctures						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses			V (no	V (no information on SWS (weekly contact hours) and course language available)					
	Method	ofasse	essment	writte exami group	n examination (app nation can be repla s (groups of 2, appr	rox. 60 to 120 minutes); if announced by the lecture ced by an oral examination of one candidate each (a ox. 30 minutes)	r at the beginni approx. 20 min	ng of the course, the written utes) or an oral examination in		
10-I-ADST-141-m01	Tutorial	Algorit	thm and o	lata st	ructures					
	ECTS	5	Duration	<u>1</u>	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Courses			Ü (no	information on SWS	S (weekly contact hours) and course language availa	ble)			
	Method	ofasse	essment	a) con b) wri	npletion of approx. tten examination (a	11 exercise sheets with approx. 4 exercises per shee pprox. 180 to 240 minutes). Method of assessment	t (50% of exerc to be selected l	ises to be completed correctly) or by the candidate.		
10-I-STV-141-m01	Software	e Techı	nology							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses		<u>.</u>	V (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 examination can be replaced by an oral examination of one candidate each (approgroups (groups of 2, approx. 30 minutes)						r at the beginni approx. 20 min	ng of the course, the written utes) or an oral examination in		
10-I-STT-141-m01	Tutorial	Softwa	are Techn	ology						
	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Courses			Ü (no	information on SWS	\mathbf{S} (weekly contact hours) and course language availa	ble)			
	Method	ofasse	essment	a) con b) wri	npletion of approx. tten examination (a	11 exercise sheets with approx. 4 exercises per shee pprox. 180 to 240 minutes). Method of assessment	t (50% of exerc to be selected l	ises to be completed correctly) or by the candidate.		

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10-I-PP-141-m01	Practical Course in Programming										
	ECTS 10	Duration	1 semester	Method of grading (no	ot) successfully completed	Modul level	undergraduate				
	Courses		P (no information on	SWS (weekly contact hours) a	and course language availa	ble)					
	Method of asse	essment	completion of progra	mming exercises (approx. 24	o hours) and written examin	nation (approx.	60 to 120 minutes). If announced				
			by the lecturer at the	beginning of the course, the	written examination can be $a_1 = a_2 = a_1 + a_2 = a_2$	replaced by an	oral examination of one candida-				
	Additional Info	rmation	Additional information	Additional information on module duration: 1 to 2 semesters							
10-I-SWP-141-m01	Practical cours	Practical course in software									
	ECTS 10	Duration	1 semester	Method of grading (no	ot) successfully completed	Modul level	undergraduate				
	Courses	<u> </u>	P (no information on	SWS (weekly contact hours) a	and course language availa	ble)	, _				
	Method of asse	essment	completion of a large per group)	r software project in groups (approx. 300 hours per pers	on) and final pr	resentation (approx. 10 minutes				
	Modules succe completed	essfully	10-I-PP,10-I-STV								
	other prerequis	sites	The learning outcom commended.	he learning outcomes of modules 10-I-ADSV, 10-I-ADST, 10-I-SST are required. Prior completion of these modules is highly re- ommended.							
10-I-RALV-141-m01	Digital comput	er system	S								
	ECTS 5	Duration	1 semester	Method of grading nu	merical grade	Modul level	undergraduate				
	Courses		V (no information on	SWS (weekly contact hours)	and course language availa	ble)					
	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)										
10-I-RALT-141-m01	Tutorial Digita	l compute	r systems								
	ECTS 5	Duration	1 semester	Method of grading (no	ot) successfully completed	Modul level	undergraduate				
	Courses		Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of asse	essment	a) completion of approx. 11 exercise sheets with approx. 4 exercises per sheet (50% of exercises to be completed correctly) or b) written examination (approx. 180 to 240 minutes). Method of assessment to be selected by the candidate.								
10-I-IÜV-141-m01	Information Tra	ansmissio	'n								
	ECTS 5	Duration	1 semester	Method of grading nu	merical grade	Modul level	undergraduate				
	Courses		V (no information on	SWS (weekly contact hours)	and course language availa	ble)					
	Method 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)								
10-I-IÜT-141-m01	Tutorial Inform	ation Trar	nsmission								
	ECTS 5	Duration	1 semester	Method of grading (no	ot) successfully completed	Modul level	undergraduate				
	Courses		Ü (no information on	SWS (weekly contact hours)	and course language availa	ble)					
	Method of asse	essment	a) completion of app b) written examination	rox. 11 exercise sheets with a n (approx. 180 to 240 minute	pprox. 4 exercises per shee es). Method of assessment	t (50% of exerc to be selected b	ises to be completed correctly) or by the candidate.				
10-l-lÜT-141-m01	Tutorial InformECTS5CoursesMethod of asset	Duration Tran	groups (groups of 2, nsmission 1 semester Ü (no information on a) completion of app b) written examinatio	Method of grading (no SWS (weekly contact hours) rox. 11 exercise sheets with a n (approx. 180 to 240 minute	ot) successfully completed and course language availa pprox. 4 exercises per shee es). Method of assessment t	Modul level ble) t (50% of exerc to be selected b	undergraduate ises to be completed correctly) c by the candidate.				

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10-I-HWP-141-m01	Practical cour	rse in hard	ware									
	ECTS 10	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Courses		P (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)					
	Method of as	sessment	projec prox.	project portfolio: completion of approx. 3 to 10 project assignments (approx. 250 hours total) and presentation of results (approx. 10 minutes per project)								
10-I-TIV-141-m01	Theoretical In	Theoretical Informatics										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)					
	Method of as:	sessment	writte exami 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)								
10-I-TIT-141-m01	Tutorial Theo	retical Info	ormatic	S								
	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Courses		Ü (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)					
	Method of as	sessment	a) cor b) wri	npletion of approx. tten examination (a	11 exercise sheets wi pprox. 180 to 240 mi	th approx. 4 exercises per shee nutes). Method of assessment	t (50% of exerci to be selected b	ises to be completed correctly) or by the candidate.				
Subfield Mathemat	ics (30 ECTS c	redits)										
10-I-LOG-141-m01	Logic for info	rmatics										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	;	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)					
	Method of assessment w e g		writte exami 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)								
10-M-INF1-141-m01	Mathematics	1 for stud	ents in	Computer Science								
	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on s	SWS (weekly contact	hours) and course language av	ailable)					
Method of assessment written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of th examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or groups (groups of 2, approx. 30 minutes)								ng of the course, the written utes) or an oral examination in				
10-M-INF2-141-m01	Mathematics	2 for stud	ents in	Computer Science								
	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on s	SWS (weekly contact	hours) and course language av	ailable)					
	Method of as	sessment	writte exami group Langu	n examination (app ination can be repla s (groups of 2, appr lage of assessment:	rox. 60 to 120 minute ced by an oral exami rox. 30 minutes) : German, English	s); if announced by the lecture nation of one candidate each (a	r at the beginnin approx. 20 minu	ng of the course, the written utes) or an oral examination in				

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10-I-AGT-141-m01	101 Algorithmic Graph Theory										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	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 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								
Compulsory Electiv	ectives (35 ECTS credits)										
Subfield Computer	Science (25 EC	TS credits	;)								
10-I-ICG-141-m01	Interactive Co	mputer Gr	raphics								
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of assessment		writte exam group	n examination (app ination can be repla s (groups of 2, appr	rox. 60 to 120 minute iced by an oral examin rox. 30 minutes)	s); if announced by the lecture nation of one candidate each	er at the beginnin (approx. 20 minu	ng of the course, the written utes) or an oral examination in			
10-I-DB-141-m01	Data Bases										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	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 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-WBS-141-m01	Knowledge-ba	sed Syste	ems								
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	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 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-DM-141-m01	Data Mining										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of ass	essment	writte exam group Langu	n examination (app ination can be repla s (groups of 2, appr lage of assessment:	rox. 60 to 120 minute iced by an oral examin rox. 30 minutes) : German, English	s); if announced by the lecture nation of one candidate each	er at the beginnin (approx. 20 mint	ng of the course, the written utes) or an oral examination in			

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10-l-00P-141-m01	Object	oriente	d Progran	nming				48			
	ECTS	5	Duratio	n	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 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-KT-141-m01	Computational Complexity										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method of assessment			writte exam group Langu	<i>r</i> 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-KD-141-m01	Crypto	graphy	and Data	Securi	ecurity						
	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	_	V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	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					ng of the course, the written utes) or an oral examination in		
10-l-3D-141-m01	3D Poir	nt Cloud	l Processi	ing							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	_	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			writte exam group Langı	n examination (app ination can be repla os (groups of 2, app uage of assessment	orox. 60 to 120 minute aced by an oral exami orox. 30 minutes) t: German, English	s); if announced by the lecture nation of one candidate each (a	r at the beginni approx. 20 mini	ng of the course, the written utes) or an oral examination in		
10-l-BS-141-m01	Operat	ing Sys	tems								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	·	V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	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							

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10-I-RAK-141-m01	41-mo1 Computer Architecture									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of as	sessment	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written							
			exam	examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in						
			Langu	Language of assessment: German, English						
10-I-RK-141-m01	Computer Networks									
	ECTS 8	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course languag	ge available)			
	Method of as	sessment	writte	n examination (appi	rox. 60 to 120 minute	s); if announced by the lea	cturer at the beginni	ng of the course, the written		
			exam	ination can be repla	ced by an oral exami	nation of one candidate ea	ach (approx. 20 mini	utes) or an oral examination in		
			langi	age of assessment:	German, English					
10-l-Gl-141-m01	Selected Bas	ics of Com	puter S	cience						
	ECTS 5	Duratio	n n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language	ge available)			
	Method of as	sessment	writte	written examination (approx. 60 to 120 minutes); if announced by the lecturer at the beginning of the course, the written						
			exam	examination can be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in						
			group	is (groups of 2, apprilling of assessment)	OX. 30 MINUTES) German English					
Subfield Subsidian	V Subject (10 F	CTS credit	()							
Mathematics (40 E			3)							
Mathematics (10 EC	LIS creaits)	D'	AA (1		<u> </u>					
10-M-DI- Maf-1/1-m01	Introducing t	o Discrete	viscrete Mathematics for students of other subjects							
Mai-141-1101	ECIS 10	Duratio	n Iv ö	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + U	V + U (no information on SWS (weekly contact hours) and course language available)						
	Method of as	sessment	written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the course, the written							
			group	s (groups of 2, appr	ox. 30 minutes)					
			Langi	lage of assessment:	German, English					
10-M-NM1af-141-	Numerical Ma	athematics	5 1 for s	tudents of other sub	bjects					
m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course languag	ge available)			
	Method of as	sessment	writte	n examination (appi	rox. 90 to 180 minute	s); if announced by the lea	cturer at the beginni	ng of the course, the written		
			exam	ration can be replated as (groups of 2) approximately $rate replaced as repl$	cea by an oral exami	nation of one candidate ea	acn (approx. 20 mini	utes) or an oral examination in		
			Langu	Language of assessment: German, English						

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10-M-ST1af-141-	Stochastics 1 for students of other subjects										
m01	ECTS 10 Duration			1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact hours) and course language av	/ailable)					
	Method of assessment written examination (approx. 90 to 180 minutes); if announced by the lecturer at the beginning of the constraint of t										
10-M-ZT-	Introducing Into Number Theory for students of other subjects										
Haf-141-mo1	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		V + Ü	(no information on	SWS (weekly contact hours) and course language av	/ailable)					
	Method of as	ssessment	writte exam group Langu	n examination (app ination can be repla os (groups of 2, app uage of assessment	rox. 90 to 180 minutes); if announced by the lecture iced by an oral examination of one candidate each (rox. 30 minutes) : German, English	er at the beginni approx. 20 min	ng of the course, the written utes) or an oral examination in				
10-M-DGLaf-141-	Ordinary Dif	ferential Eq	uation	s for students of ot	her subjects						
m01	ECTS 10 Duratio		n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of as	ssessment	writte exam group Langu	written examination (approx. 90 to 180 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-M-OR-	Operations	Research fo	or stude	ents of other subjec	ts						
Saf-141-m01	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment written examination (approx. 90 to 180 minutes); if announced by the lecturer at the begin examination can be replaced by an oral examination of one candidate each (approx. 20 m groups (groups of 2, approx. 30 minutes) Language of assessment: German, English						ng of the course, the written utes) or an oral examination in				
Physics (10 ECTS c	redits)										
11-EFNF-072-m01	Introduction	to Physics	for Stu	dents of Non-physi	cs-related Minor Subjects						
	ECTS 7	Duratio	n	2 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses		V + V	(no information on	SWS (weekly contact hours) and course language av	ailable)					
	Method of as	ssessment	writte	en examination (app	rox. 120 minutes)						
	Participants cation of pla	and allo- ces	Only	as part of pool of ge	neral key skills (ASQ): 10 places. Places will be alloo	cated by lot.					

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11-PFNF-072-m01	Practical Course Physics for Students of Non-physics-related Minor Subjects										
	ECTS 3	Duratio	n	1 semester	Method of grading	(not) successfully complet	ted Modul level	undergraduate			
	Courses		P (no	information on SW	'S (weekly contact hou	rs) and course language av	vailable)				
	Method of asse	essment	a) ora	l test (approx. 15 m	ninutes) during experir	nent and b) ungraded writt	ten examination (ap	prox. 90 minutes)			
	Participants an cation of place	nd allo- s	Only a	as part of pool of ge	eneral key skills (ASQ)	: 10 places. Places will be a	allocated by lot.				
Business Managen	nent and Econor	nics (10 E	CTS cre	edits)							
12-NW-EBWL-111-	Introduction to	Busines	s Admi	nistration - Minor							
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course languag	ge available)				
	Method of asse	essment	writte	n examination (app	prox. 60 minutes)						
	Participants an cation of place	nd allo- s	Numb dents ECTS o mathe	er of places: maxir of the following su credits), Wirtschaft ematik (Mathemati	mum 200. Places will b ubjects: Wirtschaftswis tsinformatik (Business cs for Economics) Bac	be allocated by lot. Module ssenschaft (Business Mana Information Systems) Bac helor's (BSc with 180 ECTS	es 12-NW-EBWL and agement and Econor helor's (BSc with 18 credits).	12-NW-EVWL are not open for stu- mics) Bachelor's (BSc with 180 to ECTS credits) and Wirtschafts-			
12-NW-EV-	Introduction to	Economi	ics - Mi	nor							
WL-111-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course languag	ge available)				
	Method of asse	essment	writte	n examination (app	prox. 60 minutes)						
	Participants an cation of place	nd allo- s	Numb dents ECTS o mathe	er of places: maxir of the following su credits), Wirtschaft ematik (Mathemati	mum 200. Places will b ubjects: Wirtschaftswis tsinformatik (Business cs for Economics) Bac	be allocated by lot. Module ssenschaft (Business Mana Information Systems) Bac helor's (BSc with 180 ECTS	es 12-NW-EBWL and agement and Econor helor's (BSc with 18 c credits).	12-NW-EVWL are not open for stu- mics) Bachelor's (BSc with 180 to ECTS credits) and Wirtschafts-			
12-ExtUR-G-132-	Financial Acco	unting					<u>.</u>				
m01	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on	SWS (weekly contact	hours) and course languag	ge available)				
	Method of asse	essment	writte	n examination (app	prox. 60 minutes)						
	Participants an cation of place	nd allo- is	Numb (Busir (BSc v Bache remain availa cordin gree s of pla- meste ly com course will be	er of places: 840. hess Management with 180 ECTS credi- elor's students with ning places will be ble places, places ng to the following ubject; among app ces): number of su ers, places will be a npleted at least on es of the module co e maintained and p	No restrictions with re- and Economics) (BSC v its), Wirtschaftsinform the minor Wirtschafts allocated to students will be allocated in a s quotas: Quota 1 (50% olicants with the same bject semesters of the allocated by lot. Quota e module component omponent with a restri- places re-allocated as	gard to available places for with 180 ECTS credits), Wirt atik (Business Information swissenschaft (Business M of other subjects. Should t standardised procedure an of places): total number of number of ECTS credits ac respective applicant; amo 3 (25% of places): allocati of the respective module w icted number of places will they become available.	r Bachelor's student tschaftsmathematik Systems) (BSc with lanagement and Ecc the number of appli nong all applicants i f ECTS credits alread chieved, places will l ong applicants with ion by lot. Applicant vill be given preferen l be allocated in the	ts of Wirtschaftswissenschaft (Mathematics for Economics) 180 ECTS credits) as well as onomics) (60 ECTS credits). The cations exceed the number of irrespective of their subjects ac- dy achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- s who already have successful- ntial consideration. Places on all same procedure. A waiting list			
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12-IntUR-G-132-	Mana	gerial Ac	counting								
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Cours	es		V + Ü	(no information on	SWS (weekly contact hours) and course language av	vailable)				
	Meth	od of ass	essment	writte	n examination (app	prox. 60 minutes)					
	Partic	ipants ar	nd allo-	Numb	ts of Wirtschaftswissenschaft						
	catior	n of place	S	Busi	ness Management a	and Economics) (BSc with 180 ECTS credits), Wirtsch	aftsmathematik	(Mathematics for Economics)			
				Bache	elor's students with	the minor Wirtschaftswissenschaft (Business Mana	gement and Eco	nomics) (60 FCTS credits) The			
				remai	ning places will be	allocated to students of other subjects. Should the	number of appli	cations exceed the number of			
				availa	ble places, places	will be allocated in a standardised procedure amon	g all applicants i	irrespective of their subjects ac-			
				CORDI	ng to the following (quotas: Quota 1 (50% of places): total number of EC	IS credits alread	ly achieved in the respective de-			
				of pla	ices): number of sub	bject semesters of the respective applicant; among	applicants with	the same number of subject se-			
				meste	ers, places will be a	llocated by lot. Quota 3 (25% of places): allocation I	by lot. Applicant	s who already have successful-			
				ly con	npleted at least one	e module component of the respective module will be	e given preferer	ntial consideration. Places on all			
				will b	e maintained and p	laces re-allocated as they become available.	anocaleu in the	same procedure. A waiting list			
12-BPL-G-132-m01	Supp	ly, Produ	ction and	Operations Management. An Introduction							
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Cours	es		V + Ü	(no information on	SWS (weekly contact hours) and course language av	vailable)				
	Meth	od of ass	essment	writte	n examination (app	prox. 60 minutes)					
	Partic	ipants ar	nd allo-	Numb	per of places: 620. N	No restrictions with regard to available places for Ba	chelor's student	ts of Wirtschaftswissenschaft			
	cation	n of place	S	(Busin	ness Management a with 180 FCTS credit	and Economics) (BSc with 180 ECTS credits), Wirtsch ts) Wirtschaftsinformatik (Business Information Sw	aftsmathematik	(Mathematics for Economics)			
				Bache	elor's students with	the minor Wirtschaftswissenschaft (Business Mana	igement and Eco	pnomics) (60 ECTS credits). The			
				remai	ning places will be	allocated to students of other subjects. Should the	number of appli	cations exceed the number of			
		available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects cording to the following quotas: Quota 1 (50% of places): total number of ECTS credits already achieved in the respective gree subject: among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 2									
				of pla	ices): number of sub	bject semesters of the respective applicant; among	applicants with	the same number of subject se-			
				meste	ers, places will be a	llocated by lot. Quota 3 (25% of places): allocation l	by lot. Applicant	s who already have successful-			
					npleted at least one	e module component of the respective module will be	e given preferer	same procedure A waiting list			
				will b	e maintained and p	laces re-allocated as they become available.		Sume procedure. A waiting list			

12-l&F-G-132-m01	Investment and	d Finance. A	n Introduction				
	ECTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate	
	Courses	V	+ Ü (no information o	n SWS (weekly contact hours) and course language	ge available)		
	Method of asse	essment w	ritten examination (ap	prox. 60 minutes)			
	Participants and allocation of placesNumber of places: 620. No restrictions with regard to available places for Bachelor's students of Wirtschaftswise (Business Management and Economics) (BSc with 180 ECTS credits), Wirtschaftsmathematik (Mathematics for (BSc with 180 ECTS credits), Wirtschaftsinformatik (Business Information Systems) (BSc with 180 ECTS credits) Bachelor's students with the minor Wirtschaftswissenschaft (Business Management and Economics) (60 ECTS remaining places will be allocated to students of other subjects. Should the number of applications exceed the available places, places will be allocated in a standardised procedure among all applicants irrespective of their gree subject; among applicants with the same number of ECTS credits already achieved in the gree subject; among applicants with the same number of ECTS credits achieved, places will be allocated by lot. Quota 3 (25% of places): allocation by lot. Applicants who already have ly completed at least one module component of the respective module will be given preferential consideration courses of the module component with a restricted number of places will be allocated in the same procedure.						
12-FWiinf-G-122-	Introduction to	Business I		places le-allocated as they become available.			
m01	FCTS 5	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate	
	Courses	V	+ Ü (no information o	n SWS (weekly contact hours) and course language	ge available)		
	Method of asse	essment a) q	written examination (uestions (approx. 60 r	approx. 60 minutes) or b) written examination coninutes)	onsisting entirely or	partly of multiple/single choice	
	Participants an cation of place	d allo- N s (E B re av cc gr o i y cc w w	umber of places: 840. Susiness Management Sc with 180 ECTS creat achelor's students wit maining places will be vailable places, places ording to the following ee subject; among ap places): number of su esters, places will be completed at least or purses of the module of ill be maintained and	No restrictions with regard to available places fo and Economics) (BSc with 180 ECTS credits), Win lits), Wirtschaftsinformatik (Business Information h the minor Wirtschaftswissenschaft (Business M e allocated to students of other subjects. Should swill be allocated in a standardised procedure ar quotas: Quota 1 (50% of places): total number o plicants with the same number of ECTS credits ar allocated by lot. Quota 3 (25% of places): allocat the module component of the respective module v component with a restricted number of places will places re-allocated as they become available.	r Bachelor's student tschaftsmathematik Systems) (BSc with lanagement and Ecc the number of appli nong all applicants f ECTS credits alreac chieved, places will ong applicants with ion by lot. Applicant vill be given preferer l be allocated in the	ts of Wirtschaftswissenschaft k (Mathematics for Economics) n 180 ECTS credits) as well as onomics) (60 ECTS credits). The ications exceed the number of irrespective of their subjects ac- dy achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- ts who already have successful- ntial consideration. Places on all e same procedure. A waiting list	

12-GP-G-132-m01	Integra	ted Bus	iness Pro	cesse	5				
	ECTS	undergraduate							
	Course	S		V + Ü	(no information on	SWS (weekly contact hours) and cou	urse language av	ailable)	
	Method	d of asso	essment	a) wri prese	tten examination (a ntation (approx. 10	pprox. 60 minutes) or b) term paper minutes), weighted 2:1	r (approx. 15 page	es) or c) term pa	aper (approx. 10 to 15 pages) and
	Particip cation	oants ar of place	nd allo- s	Wirtso mum dents applid dits a ted by numb dy ha tion. I re. A v	chaftsinformatik (B 15 places. More pla of other subjects e cants irrespective o lready achieved in y lot. Quota 2 (25% er of subject seme ve successfully con Places on all course vaiting list will be r	usiness Information Systems) Bache aces will be available provided there exceed the number of available place f their subjects according to the follo the respective subject; among applie of places): number of subject semes sters, places will be allocated by lot. npleted at least one module compone es of the module component with a re naintained and places re-allocated a	elor's (180 ECTS): is enough capac es, places will be owing quotas: Qu cants with the sa sters of the respec Quota 3 (25% of nent of the respec estricted number is they become a	no restrictions ity. Should the allocated in a s tota 1 (50% of p me number of l ective applicant places): alloca ctive module wi r of places will l vailable.	Other degree programmes: mini- number of applications from stu- standardised procedure among all places): total number of ECTS cre- ECTS credits, places will be alloca- ; among applicants with the same tion by lot; applicants who alrea- ll be given preferential considera- pe allocated in the same procedu-
12-FRBE-F-132-m01	Forwar	d and R	everse Bu	siness	Engineering				
	ECTS	5	Duration	n	1 semester	Method of grading numerical gra	de	Modul level	undergraduate
	Course	s		V + Ü	(no information on	SWS (weekly contact hours) and cou	urse language av	ailable)	
	Method	d of asso	essment	a) written examination (approx. 60 minutes) or b) term paper (approx. 15 pages) or c) term paper (approx. 10 to 15 pages) and presentation (approx. 10 minutes), weighted 2:1					
	Particip cation	oants ar	nd allo- s	Numb follow given alloca Inforn applic achie alloca same are al availa cordin gree s of pla meste (2), a ven p alloca	er of places: 50. Sl ys: (1) Bachelor's st preferential consic ited in accordance nation Systems) (Bi cants from this grou ved in the respectiv ited by lot. Quota 2 number of subject located in accordance ble places, places og to the following subject; among app ces): number of su ers, places will be a oplicants who alreat referential conside ited in the same pro-	nould the number of applications exe udents of Wirtschaftsinformatik (Bus eration. (2) The remaining places wi with (1) and the number of application for with 180 ECTS credits) exceeds the up according to the following quotast (25% of places): number of subject semesters, places will be allocated in nee with (2) and the number of appli- will be allocated in a standardised p quotas: Quota 1 (50% of places): tota- licants with the same number of ECT bject semesters of the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of places) and the respective ap- llocated by lot. Quota 3 (25% of place- date of pl	ceed the number siness Informatio Il be allocated to ons from Bachelo e number of avai : Quota 1 (50% of s with the same n semesters of the by lot. Quota 3 (2 cations from stud procedure among al number of ECT IS credits achiev plicant; among a ces): allocation b east one module module compo-	of available pla on Systems) (BS students of oth or's students of ilable places, p f places): total umber of ECTS respective app 25% of places): dents of other s all applicants i pplicants with y lot. (5) Within component of onent with a res ces re-allocated	aces, places will be allocated as for with 180 ECTS credits) will be her subjects. (3) When places are Wirtschaftsinformatik (Business laces will be allocated among number of ECTS credits already credits achieved, places will be olicant; among applicants with the allocation by lot. (4) When places ubjects exceeds the number of irrespective of their subjects ac- ly achieved in the respective de- be allocated by lot. Quota 2 (25% the same number of subject se- the groups according to (1) and the respective module will be gi- tricted number of places will be l as they become available.

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Linguistics (10 ECT	S credits)										
04-DtLA-BM-	Level One Mod	lule Intro	ductior	n to German Linguist	tics						
SW-141-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	- î	V + S	+ T (no information of	on SWS (weekly cont	act hours) and course language	available)				
	Method of asse	essment	writte	written examination (approx. 60 minutes)							
	Additional Info	ormation	Additi	Additional information on module duration: 1 to 2 semesters.							
04-DtLA-AM-	Level Two Mod	lule Gram	matica	l Structures of Germ	nan						
SW1-141-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + S	/ + S + T (no information on SWS (weekly contact hours) and course language available)							
	Method of asse	essment	writte	n examination (appr	rox. 60 minutes)						
	Additional Info	ormation	Additi	ional information on	module duration: 1	o 2 semesters.					
Medicine (10 ECTS	credits)										
03-M-MT-141-m01	Practical Cours	se in med	ical ter	rminology							
	ECTS 3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	unknown			
	Courses		P (no	' (no information on SWS (weekly contact hours) and course language available)							
	Method of asse	essment	sment written examination (approx. 60 to 90 minutes)								
03-M-IM-141-m01	Internal Medic	Medicine									
	ECTS 7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	unknown			
	Courses		V (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)				
	Method of asse	essment	oral examination (one candidate each: approx. 15 minutes, groups of 2: approx. 20 minutes, groups of 3: approx. 25 m assessment will usually have reference to one of the sub-specialities of internal medicine, e. g. cardiology, pulmonology, phrology, endocrinology, oncology, gastroenterology, rheumatology, infectious disease				groups of 3: approx. 25 minutes); . g. cardiology, pulmonology, ne-				
Biology (10 ECTS cr	redits)										
07-1A1TI-AF-141-	Evolution and	the Anima	al King	dom (AF)							
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of asse	essment	writte	n examination (appr	rox. 60 minutes)						
07-2A2GENV-	Genetics, Neur	robiology	, Behav	viour (AF)							
AF-141-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of asse	essment	writte	n examination (appr	rox. 60 to 90 minutes	;)					
07-M-BST-132-m01	Mathematical	Biology a	nd Bio	statistics							
	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	_	V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
	Method of asse	essment	writte	n examination (appr	rox. 60 minutes)						

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07-3A30E-	Plant and	Animal Ec	ology								
KO-132-mo1	ECTS 6 Duration		ation	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V +	Ü (no information on	SWS (weekly contact	hours) and course language a	vailable)				
	Method of	assessm	ent writ	en examination (app	rox. 90 minutes)						
07-3A3GEM-	Genes, Mo	lecules,	<u>Fechnolo</u>	gies							
I-132-m01	ECTS 6	Dur	ation	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (n	o information on SWS	5 (weekly contact hou	irs) and course language availa	able)				
	Method of	assessm	ent writ	en examination (app	rox. 90 minutes)						
Law (10 ECTS credit	redits)										
02-J1-082-m01	Introductio	on to the	German I	egal System							
	ECTS 5	Dur	ation	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V +	Ü (no information on	SWS (weekly contact	hours) and course language a	vailable)				
	Method of	assessm	ent writ	en examination (app	rox. 120 minutes)						
	Participants and allo- cation of places		o- Nun mes ned nun	Number of places: maximum 80. Students applying after not having successfully completed assessment in the past two se- mesters will be given preferential consideration. The remaining places will be allocated by lot. A waiting list will be maintai- ned and places re-allocated by lot as they become available. Places on all courses of the module component with a restricted number of places will be allocated in the same procedure.							
02-J6-121-m01	Employme	nt Law									
	ECTS 5	Dur	ation	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V +	V + S (no information on SWS (weekly contact hours) and course language available)							
	Method of	assessm	ent met 15 n and	hods of assessment: iinutes), d) written ela d) weighting: 3:1:1	a) written examination aboration of presenta	on (approx. 120 minutes), b) ta ation (approx. 10 pages); optio	lk (approx. 30 m ns a) and b) wei§	inutes), c) presentation (approx. ghting: 3:2 or options a) and c)			
	Participants and allo- cation of places		o- Stud ami dits afte mai ble. re.	Students of the degree programme Rechtswissenschaften (Law) with the degree Erste Juristische Staatsprüfung (first state ex amination in law) and students of the Bachelor's degree programme Öffentliches Recht (Public Law) (minor with 60 ECTS cre- dits): no restrictions. Students of other degree programmes: 30 places. Places will be allocated as follows: Students applying after not having successfully completed assessment in the past two semesters will be given preferential consideration. The r maining places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become availa ble. Places on all courses of the module component with a restricted number of places will be allocated in the same procedu re.							
Geography (10 ECT	S credits)										
09-FERN1-102-m01	Remote Se	ensing 1									
	ECTS 5	Dur	ation	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V +	(no information on S	SWS (weekly contact	hours) and course language av	/ailable)				
	Method of	assessm	ent writ	en examination (app	rox. 45 minutes)						
	Referred to	o in LPO I	§ 66	(1) 2. Geographie Me	ethoden der Geograp	hie					

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09-FERN2-102-m01	Remote Sensing 2								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			V + T (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			written examination (approx. 45 minutes)					
Subject-specific Key Skills (15 ECTS credits)									
10-I-SEM1-141-m01	Semina	ar 1							
	ECTS 5 Duration			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			written elaboration (approx. 10 to 15 pages) and oral presentation (approx. 30 to 45 minutes) with subsequent discussion on a topic from the field of computer science Language of assessment: German, English					
10-I-SEM2-141- m01	Seminar 2								
	ECTS 5 Duration		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			written elaboration (approx. 10 to 15 pages) and oral presentation (approx. 30 to 45 minutes) with subsequent discussion on a topic from the field of computer science Language of assessment: German, English					
10-I-PV-141-m01	Project Presentation								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			presentation of a project developed by the candidate analogous to a presentation for laypersons with a knowledge of compu- ter science at a trade fair, including poster, handout, animation (where applicable) and good performance during discussion (approx. 10 to 15 minutes total) Language of assessment: German, English					