

Annex SFB

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

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2009

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 modules in this SFB:

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:

ASP02007

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

21-Jul-2009 (2009-42) except module 08-PKC-072 which has been replaced by 08-PKC-092

05-Oct-2009 (2009-85)

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		1								
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be sp	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	ssessme	ent	-							
	Only after su completion o		l if applica	if applicable							
	Other prereq	uisites	if applica	able							
	Participants on of places		ocati- if applica	if applicable							
	Additional information		on if applica	if applicable							
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	es (143 ECTS credits)								
08-IAC-062-m01	Experimental Chemistry	y, General and analytical laboratory course for engineering students							
	ECTS 10 Duratio	n 1 semester Method of grading numerical grade Modul level undergraduate							
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-IAC-1-062: V (no information on SWS (weekly contact hours) and course language available) • 08-IAC-2-062: P (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
		 Assessment in module component o8-IAC-1-o62: Experimental Chemistry 5 ECTS, Method of grading: numerical grade written examination (approx. 90 minutes) Assessment in module component o8-IAC-2-o62: General and analytical Chemistry Lab for engineering students 							
		 5 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each) 							
08-IOC-062-m01	Organic Chemistry for s	students of medicine, biomedicine, dental medicine, engineering and natural science							
	ECTS 10 Duratio	n 1 semester Method of grading numerical grade Modul level undergraduate							
	Courses	This module comprises 3 module components. Information on courses will be listed separately for each module component. • o8-IOC-1-072: V (no information on SWS (weekly contact hours) and course language available) • o8-IOC-2-062: P (no information on SWS (weekly contact hours) and course language available) • o8-IOC-3-062: S (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
		Assessment in module component o8-IOC-1-072: Organic Chemistry for students of medicine, biomedicine, dental medicine, engineering and natural science • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes)							
		Assessment in module component o8-IOC-2-o62: Organic Chemistry Lab for engineering students							
		 4 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each) 							
		 Only after successful completion of module components: o8-IOC-1 Assessment in module component o8-IOC-3-o62: Tutorial on the Organic Chemistry Lab for engineering students 3 ECTS, Method of grading: numerical grade written examination (60 minutes) 							
99-TM-062-m01	Fundamentals of Engine	eering Mechanics							
	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 language available)							
	Method of assessment	written examination (90 minutes)							

11-MPI3-062-m01	Mathen	natics 3	for stude	ents of	Physics and Engin	eering					
		8	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	of ass	essment	writte	written examination (approx. 120 minutes)						
	other pr	rerequi	sites	Admission prerequisite to assessment: successful completion of approx. 50% of exercises. Certain prerequisites must be met							
						to assessment. The lecturer will inform students abo					
						he course will be considered a declaration of will to on for admission to assessment over the course of the					
				for as	sessment into effe	ct. Students who meet all prerequisites will be admi	tted to assessm	ent in the current or in the subse-			
					semester. For asse	essment at a later date, students will have to obtain	the qualification	n for admission to assessment an-			
44 ENNE4 062 mod	Introdu	ction to	Dhysics	ew.	for students of Dhy	sics Related Minor Subjects					
11-ENNF1-062-11101		7	Duration		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		Duration			SWS (weekly contact hours) and course language a		undergraduate			
			eccment				valiable)	-			
	Participants and allo-				written examination (approx. 120 minutes) Only as part of pool of general key skills (ASQ): 20 places. Places will be allocated by lot.						
	cation of places				, , , , , , , , , , , , , , , , , , , ,						
11-ENNF2-062-m01	Introdu	ction to	Physics	Part 2	for students of Phy	sics Related Minor Subjects	'				
	ECTS	7	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü	(no information on	SWS (weekly contact hours) and course language a	vailable)				
	Method	l of ass	essment		n examination (app						
	Participants and allo- cation of places			Only a	Only as part of pool of general key skills (ASQ): 20 places. Places will be allocated by lot.						
11-PNNF-062-m01	Physics	Labora	atory Cou	rse for	students of Physic	s Related Minor Subjects	1				
	ECTS	3	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Courses	5		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method	l of ass	essment			inutes) during experiment and b) ungraded written		prox. 90 minutes)			
	Particip cation c			Only	Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.						
08-BKOLL-062-	Bachelo	or Thes	is' Colloq	uium	•						
mo1	ECTS	3	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	5		K (no	information on SW	S (weekly contact hours) and course language avail	able)				
	Method	of ass	essment	final o	colloquium (60 min	utes)					

03-TV-091-m01	Techno	logy of	Composit	e Mate	erials and Technolo	ogy of Composite Mat	erials laboratory course			
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-TV-1-091: V (no information on SWS (weekly contact hours) and course language available) o3-TV-2-091: P (no information on SWS (weekly contact hours) and course language available)						
	Method	l of asso	essment				essments in the individual mode e module will require successfu			
				 Assessment in module component o3-TV-1-091: Technology of Composite Materials 3 ECTS, Method of grading: numerical grade written examination (60 minutes) 						
				 Assessment in module component o3-TV-2-091: Technology of Composite Materials, laboratory course 2 ECTS, Method of grading: (not) successfully completed oral examination (approx. 15 minutes) 						
10-M-TFU1-091-	Mather	natics 1	for stude	lents of Technology of Functional Materials						
mo1	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)		
	Method	l of asse	essment	writte	n examination (app	orox. 90 minutes)		,		
10-M-TFU2-091-	Mather	natics 2	for stude	ents of	Technology of Fun	ctional Materials				
mo1	ECTS	10	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	5		Ü + V (no information on SWS (weekly contact hours) and course language available)						
	Method	l of asse	essment	written examination (approx. 90 minutes)						

08-IPC-091-m01	Physical Chemi	istry for e	engineering stu	ıdents (lect	ture and laboratory c	ourse)				
	ECTS 18	Duration	ı 1 seme	ster	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		o8-IPC-o8-IPC-	2-062: V + 1-091: V + l	Ü (no information on Ü (no information on	s. Information on course SWS (weekly contact ho SWS (weekly contact ho S (weekly contact hours)	ours) and course langua ours) and course langua	ige available)		
	Method of asse	essment						ts as specified below. Unless all individual assessments.		
99-EL1-091-m01	Basics of Electr	ronics 1	engineering st 8 ECTS written Assessment in students Phys 5 ECTS, written Assessment in 5 ECTS, Vortest	Assessment in module component o8-IPC-2-o62: Physical Chemistry 2 (basics of quantum mechanics and spectroscopy) for engineering students Physical Chemistry 2 (basics of quantum mechanics and spectroscopy) for engineering students • 8 ECTS, Method of grading: numerical grade • written examination (approx. 90 minutes) Assessment in module component o8-IPC-1-o91: Physical Chemistry 1 (thermodynamics, electrochemistry) for engineering students Physical Chemistry 1 (thermodynamics, electrochemistry) for engineering students • 5 ECTS, Method of grading: numerical grade • written examination (approx. 90 minutes) Assessment in module component o8-IPC-3-o91: Physical Chemistry for engineering students, laboratory course • 5 ECTS, Method of grading: (not) successfully completed • Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each)						
99 221 091 11101	ECTS 5	Duration	1 seme	ster	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	Daration				hours) and course lang		undergraduate		
	Method of asse	essment			· · · · · · · · · · · · · · · · · · ·	a.s, aa soarso tang	,aage available)			
99-EL2-091-m01	Basics of Electr		whiten examination (or initiates)							
	ECTS 5	Duration	1 seme	ster	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (no info	mation on	SWS (weekly contact	hours) and course lang	guage available)			
	Method of asse	essment	written exami	nation (60 i	minutes)	-				
99-CA-091-m01	Computer-base	ed Constr	uction and Ass	embly (CAI	D/CAM)		1			
	ECTS 6	Duration	ı 1 seme	ster	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (no info	mation on	SWS (weekly contact	hours) and course lang	guage available)	, ,		
	Method of asse	essment	written exami	nation (90 i	minutes)					
99-IP-091-m01	Laboratory Cou	ırse on Er	gineering (me	chanical ar	nd electrical enginee	ring)				
	ECTS 6	Duration				(not) successfully com	pleted Modul level	undergraduate		
	Courses		P (no informat	ion on SWS		urs) and course languag		1 0		
				ort / fieldw	vork report / report o	<u>, </u>	<u> </u>	/ project report / report on techni-		

11-TMS-091-m01	Physical Techr	nology of	Materi	al Synthesis. Lectur	e, exercises							
	ECTS 5	Duratio	า	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 asso	essment	writte	written examination (approx. 120 minutes)								
11-PPT-091-m01	Laboratory course on Physical Technology of Material Synthesis											
	ECTS 5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)					
	Method of asso		the ex (exam repea	a) Preparing the experiment will be considered successfully completed if an oral test (duration: approx. 15 minutes) prior to the experiment is passed. b) Performing and evaluating the experiment will be considered successfully completed if a Testat (exam) is passed. An experiment log (approx. 8 pages) is to be prepared. Each component of the assessment (a and b) can be repeated once in the respective semester. Only if both components of the assessment have been successfully completed in the same semester will the module component be considered successfully completed.								
08-MAM-091-m01	Modern Analytical Methods (lecture and laboratory course)											
	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses			08-MAM-1-091: V (I	no information on SW	. Information on courses will be VS (weekly contact hours) and c VS (weekly contact hours) and c	ourse language					
	Method of asso	essment				essments in the individual mod e module will require successfu						
			• • Asses	3 ECTS, Method of written examinatio sment in module co 2 ECTS, Method of	grading: numerical g n (60 minutes) mponent o8-MAM-2 grading: (not) succes periment exams, appl	-091: Modern Analytics (practic ssfully completed		ach), Nachtestate (post-experi-				

08-IOC-062-m02	FCTC		Duration			Mathad of eva	dia a la compania a la compania		Madulland	Lundamana du ata			
00 100 002 11102		10	Duration		ı semester		ding numerical grade		Modul level	undergraduate			
	Courses	S		 This module comprises 3 module components. Information on courses will be listed separately for each module component. 08-IOC-1-072: V (no information on SWS (weekly contact hours) and course language available) 08-IOC-2-062: P (no information on SWS (weekly contact hours) and course language available) 08-IOC-3-062: S (no information on SWS (weekly contact hours) and course language available) 									
	Method	d of asse	essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.								
				enginee Assessi Assessi Assessi Assessi	ering and natura 3 ECTS, Method written examina ment in module 4 ECTS, Method Vortestate (pre- 10 pages), Nach Other prerequis ment in module 3 ECTS, Method written examina	of grading: numer tion (approx. 60 m component o8-IO of grading: (not) s experiment exams testate (post-expedites: Registration for grading: numer tion (60 minutes)	cal grade inutes) C-2-062: Organic Chemiucessfully completed approx. 15 minutes eacriment exams, approx. 10 r assessment: as specif C-3-062: Tutorial on the	stry Lab for o h), assessm 5 minutes ea ied. Organic Che	engineering stu nent of practical ach)	l performance (log approx. 5 to			
	other p			By way of exception, additional prerequisites are listed in the section on assessments.									
08-CT-091-m01	Chemic	al Tech	nology of	Material Synthesis. Lecture, exercises									
	ECTS	10	Duration	1 1	ı semester	Method of gra	ding numerical grade		Modul level	undergraduate			
	Courses	S		• (08-CT-1-091: V (no information on	nents. Information on co SWS (weekly contact hou SWS (weekly contact hou	urs) and cou	ırse language av				
	Method	d of asso		Assessi Assessi Assessi	otherwise, succ ment in module 5 ECTS, Method written examina ment in module 5 ECTS, Method	component o8-C1 of grading: numer tion (90 minutes) component o8-C1 of grading: (not) s	of the module will requir -1-091: Chemical Technocal grade -2-091: Chemical Technocac accessfully completed	e successfu blogy of Mate	erial Synthesis	Lecture, exercises			
						prox. 15 minutes)	appiox. 15 illillutes eac	ii), iugs (app		ach), Nachtestate (post-experi-			

Compulsory Electiv	es (5 EC	TS cred	its)									
10-I-EPIN-062-m01	Introdu	ction to	compute	er scie	nce of all faculties							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S	•	V + Ü	' + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	l of ass	essment		written examination (50 minutes) or oral examination (one candidate each: 20 minutes, groups of 2: 25 minutes, groups of 3:							
10 L DD 0-0 110 1	Data ba			25 minutes)								
10-I-DB-072-m01			Duration			Mathad of supding	I no companie a la manda	Madulland	Lundariore du eta			
		5	Duratio		1 semester	Method of grading		Modul level	undergraduate			
	Courses	_					thours) and course language		ps of 2: 20 minutes, groups of 3:			
	Method	i oi ass	essment		nutes)	minutes) of oral exam	illiation (one candidate eac	cn: 15 minutes, grou	ps of 2: 20 minutes, groups of 3:			
11-N1-072-m01	Basics	of Nanc	structure	Techn	ology							
	ECTS	6	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S		V + S	no information on	SWS (weekly contact	hours) and course languag	ge available)				
	Method	of ass	essment	writte	n examination (app	orox. 90 minutes)						
10-M-ODE-082-	Ordinar	ry Diffe	rential Eq	Equations								
mo1	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 assessment			exam	ination of one cand	lidate each (approx. 2		nination in groups (g	tion can be replaced by an oral groups of 2, approx. 30 minutes)			
	other prerequisites			tive d on to the le sessn fication	etails at the beginr assessment. If stud cturer will put thein nent in the current on for admission to	ning of the course. Register that the course is the course of the course	gistration for the course wil the qualification for admiss ssment into effect. Student	ll be considered a de sion to assessment o s who meet all prere	nform students about the respec- eclaration of will to seek admissi- over the course of the semester, equisites will be admitted to as- ents will have to obtain the quali-			
08-BC-TF-062-m01	Bioche	mistry f	or studer	ts of T	echnology of Funct	ional Materials						
	ECTS	3	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S		V + Ü	(no information on	SWS (weekly contact	thours) and course languag	ge available)				
	Method	l of ass	essment	writte	n examination (60	minutes)						
08-PKC-092-m01	Progran	nming	course fo	r Chem	istry Majors							
	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully comple	eted Modul level	undergraduate			
	Courses	S		V + Ü	(no information on	SWS (weekly contact	hours) and course languag	ge available)				
	Method	l of ass	essment			ompletion of program peginning of the cour		escription of algorith	ms used (length/expenditure of			

08-NT-091-m01	Chemically an	d biologic	ally ins	pired Nanotechn	ology for Materials Synt	hesis					
	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Courses		•	This module comprises 2 module components. Information on courses will be listed separately for each module component. o 8-NT-1-091: V (no information on SWS (weekly contact hours) and course language available) o 8-NT-2-091: V (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	Assess stated	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
			Assess	Assessment in module component o8-NT-1-091: Chemically and biologically inspired Nanotechnology for Materials Synthesis • 2 ECTS, Method of grading: numerical grade • oral examination (approx. 15 minutes) Assessment in module component o8-NT-2-091: From Biomineralisation to biologically inspired Materials Synthesis • 3 ECTS, Method of grading: numerical grade • oral examination (approx. 20 minutes)							
08-BC-TF-082-m01	Biochemistry	for Engine	ering M	lajors							
	ECTS 3	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Courses		V + Ü (ı	no information or	n SWS (weekly contact h	ours) and course lang	uage available)				
	Method of ass	essment	written	examination (60	minutes)						
03-TF-FBM-082-	Functional Biomaterials for students of Technology of Functional Materials										
mo1	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Courses		V + P (r	/ + P (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment		placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages)							
10-M-FAN-072-m01	Introduction to	o Function	ial Anal	ysis							
	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate			
	Courses		V + Ü (no information or	n SWS (weekly contact h	ours) and course lang	uage available)				
	Method of ass	essment	examir	nation of one can		minutes) or an oral ex	amination in groups (gr	ion can be replaced by an oral roups of 2, approx. 30 minutes)			
	other prerequi		tive de on to a the lec sessm	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew.							
	Referred to in	LPO I	§ 73 (1)) 1. Mathematik A	nalysis						

10-M-NM1-082-	Numeri	cal Ma	thematics	1							
mo1	ECTS	8	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	exami	written examination (approx. 90 minutes); if announced by the lecturer, 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						
	other p	other prerequisites			etails at the beginn assessment. If stud cturer will put their	st be met to qualify for admission to assessment. Thing of the course. Registration for the course will be dents have obtained the qualification for admission to registration for assessment into effect. Students whom in the subsequent semester. For assessment at a lassessment anew.	considered a de o assessment c o meet all prere	eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as-			
	Referre	d to in	LPO I	§ 73 (ı) 5. Mathematik Ar	gewandte Mathematik					
10-M-NM2-082-	Numeri	cal Ma	thematics	2							
mo1	ECTS	5	Duration	ı	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			written examination (approx. 90 minutes); if announced by the lecturer, 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							
	other prerequisites			tive do on to the le sessm	etails at the beginn assessment. If stud cturer will put their	st be met to qualify for admission to assessment. The ing of the course. Registration for the course will be dents have obtained the qualification for admission to registration for assessment into effect. Students who is in the subsequent semester. For assessment at a lassessment anew.	considered a de o assessment c o meet all prere	eclaration of will to seek admissi- over the course of the semester, quisites will be admitted to as-			
	Referre	d to in	LPO I	§ 73 (1) 5. Mathematik Angewandte Mathematik							
10-M-PRG-082-	Progra	mming	course fo	stude	nts of Mathematics	and other subjects					
mo1	ECTS	3	Duration		1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Course			•		(weekly contact hours) and course language availa					
	Method of assessment			project in the form of programming exercises (as specified at the beginning of the course) Language of assessment: German, English if agreed upon with the examiner							
	other prerequisites			Admission prerequisite to assessment: regular attendance (attendance monitored, a maximum of one incident of unexcused absence).							
	Referred to in LPO I			§ 73 (ı) 5. Mathematik Ar	gewandte Mathematik					

10-M-COM-082-	Compu	terorier	ited Math	ematio	:S						
mo1	ECTS	3	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of asse	essment	Asses	project in the form of programming exercises (as specified at the beginning of the course) Assessment offered: once a year, summer semester Language of assessment: German, English if agreed upon with the examiner						
	other p	rerequis	sites		ssion prerequisite to used absence).	assessment: regular	attendance of exercises (atten	dance monitor	ed, a maximum of one incident of		
	Referre	d to in L	PO I	§ 73 (1) 5. Mathematik An	gewandte Mathemati	k				
Subject-specific Ke	y Skills	(10 ECT	S credits))							
08-FS2-062-m01	Materia	al Scien	ce 2 (the	materi	al groups)						
	ECTS 5 Duratio		<u> </u>	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	thod of assessment		writte	written examination (60 minutes)						
08-FS1-091-m01	Materia	al Scien	ce 1 (basi	c intro	duction)						
	ECTS	5	Duration	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 language av	ailable)			
	Method	d of asse	essment	writte	n examination (90 n	ninutes)					
Thesis (12 ECTS cre	edits)										
08-BT-062-m01	Bachel	or's The	sis								
	ECTS	12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses			no co	no courses assigned						
	Method of assessment			written thesis Language of assessment: German or English							
	other p	rerequis	sites	Regist	ration for assessme	ent on a continuous b	asis as agreed upon with super	visor.			