



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: 2010 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 assessment procedures: thod of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner. Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below. Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

ASPO2007

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

29-Apr-2010 (2010-22)

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 Dura			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 as	ssessm	nent								
	Only after successful completion of			if applica	ble						
	Other prerequisites Participants and allocati- on of places Additional information			if applica	applicable						
				if applicable							
				if applica	ble						
	Referred to in	n LPO I		if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	es (143 ECTS cre	dits)								
08-IAC-062-m01	Experimental C	Chemistry	/, Gene	ral and analytical	laboratory course for o	engineering students				
	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		This n	nodule comprises : 08-IAC-1-062: V (1 08-IAC-2-062: P (1	2 module components no information on SWS no information on SWS	. Information on courses will b 5 (weekly contact hours) and c 5 (weekly contact hours) and c	pe listed separat ourse language course language	ely for each module component. available) available)		
	Method of asso	essment	Asses stated	sment in this mod d otherwise, succes	ule comprises the ass ssful completion of the	essments in the individual mo e module will require successf	odule component ful completion of	ts as specified below. Unless all individual assessments.		
	Fundamentals of Engin		Asses Asses	 5 ECTS, Method of grading: numerical grade written examination (approx. 90 minutes) Assessment in module component o8-IAC-2-062: 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) 						
99-TM-062-m01	Fundamentals	of Engine	eering l	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 a	vailable)			
	Method of ass	essment	writte	n examination (90	minutes)					
11-MPI3-062-m01	Mathematics 3	g for stud	ents of	Physics and Engin	leering					
	ECTS 8	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 a	vailable)			
	Method of ass	essment	writte	n examination (ap	prox. 120 minutes)					
	other prerequis	sites	Admis to qua course obtain for as quent ew.	ssion prerequisite alify for admission e. Registration for f ned the qualificatio sessment into effe semester. For ass	to assessment: succes to assessment. The le the course will be cons on for admission to as ct. Students who mee essment at a later date	asful completion of approx. 50 cturer will inform students ab- sidered a declaration of will to sessment over the course of th t all prerequisites will be admi e, students will have to obtain	% of exercises. (out the respectiv seek admission ne semester, the itted to assessm the qualification	Certain prerequisites must be met e details at the beginning of the to assessment. If students have lecturer will put their registration ent in the current or in the subse- n for admission to assessment an-		
11-ENNF1-062-m01	Introduction to	Physics	Part 1	for students of Phy	sics Related Minor Su	ıbjects				
	ECTS 7	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 a	vailable)			
	Method of ass	essment	writte	n examination (ap	prox. 120 minutes)					
	Participants ar cation of place	nd allo- es	Only a	as part of pool of g	eneral key skills (ASQ)	: 20 places. Places will be allo	ocated by lot.			

Bachelor's with 1 major Technology of Functional Materials (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 82 177 - - H 2010	page 3 / 13

11-ENNF2-062-m01	Introdu	ction to	Physics	Part 2	for students of Phys	sics Related Minor S	ubjects				
	ECTS	7	Duratio	n	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	l of asse	essment	writte	n examination (appr	rox. 120 minutes)					
	Particip cation o	oants an of place	id allo- s	Only a	Ily as part of pool of general key skills (ASQ): 20 places. Places will be allocated by lot.						
11-PNNF-062-m01	Physics Laboratory Course for students of Physics Related Minor Subjects										
	ECTS	3	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S	-	P (no	no information on SWS (weekly contact hours) and course language available)						
	Methoo	d of asse	essment	a) ora	l test (approx. 15 mii	nutes) during experii	ment and b) ungraded written e	xamination (ap	prox. 90 minutes)		
	Particip cation o	oants an of place	id allo- s	Only a	Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.						
08-BKOLL-062-	Bachel	or Thesi	is' Colloq	uium							
m01	ECTS	3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s	-	K (no	information on SWS	(weekly contact hou	irs) and course language availa	ble)			
	Method	l of asse	essment	final o	olloquium (60 minu	ites)					
10-M-TFU1-091-	Mather	natics 1	for stude	ents of	Technology of Funct	tional Materials					
m01	ECTS	10	Duratio	n	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	l of asse	essment	writte	n examination (appr	rox. 90 minutes)					

08-IPC-091-m01	Physical Chem	nistry for o	engine	ering students (lec	ture and laboratory c	ourse)	1			
	ECTS 18	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-IPC-2-o62: V + Ü (no information on SWS (weekly contact hours) and course language available) o8-IPC-1-o91: V + Ü (no information on SWS (weekly contact hours) and course language available) o8-IPC-3-o91: P (no information on SWS (weekly contact hours) and course language available) 							
	Method of ass	essment	Asses stated	sment in this mod d otherwise, succes	ule comprises the ass ssful completion of th	sessments in the individual mo e module will require success	odule component ful completion of	ts as specified below. Unless all individual assessments.		
			Asses engin Asses stude Asses	 Assessment in module component 08-IPC-2-062: Physical Chemistry 2 (basics of quantum mechanics and spectroscopy) for engineering students 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 08-IPC-1-091: 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 08-IPC-3-091: 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-Fl 1-091-m01	Basics of Elect	tronics 1		experiment exam						
	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on	SWS (weekly contact	t hours) and course language a	available)			
	Method of ass	essment	written examination (60 minutes)							
99-EL2-091-m01	Basics of Elect	tronics 2								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on	SWS (weekly contact	t hours) and course language a	available)			
	Method of ass	essment	writte	n examination (60	minutes)					
99-CA-091-m01	Computer-bas	ed Constr	ruction	and Assembly (CA	D/CAM)					
	ECTS 6	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on	SWS (weekly contact	t hours) and course language a	available)			
	Method of ass	essment	writte	n examination (90	minutes)					
99-IP-091-m01	Laboratory Co	urse on Ei	nginee	ring (mechanical a	nd electrical enginee	ring)				
	ECTS 6	Duratio	n	1 semester	Method of grading	(not) successfully completed	d Modul level	undergraduate		
	Courses		P (no	information on SW	S (weekly contact ho	urs) and course language avai	lable)			
	Method of ass	essment	place cal co	ment report / fieldv urse (approx. 15 to	work report / report o 30 pages)	n practical training / report on	practical course	/ project report / report on techni-		

Bachelor's with 1 major Technology of Functional Materials (2010)	JMU Würzburg • generated 26-Aug-2024 • exam. reg. data record 82 177 - - H 2010	page 5 / 13

11-PPT-091-m01	Laborator	y course on Pl	hysical	Technology of Mate	erial Synthesis					
	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses	,	P (no	information on SWS	(weekly contact hou	rs) and course language availat	ole)			
	Method of	fassessment	a) Pre the ex (exam repea the sa	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 A	nalytical Meth	nods (le	ds (lecture and laboratory course)						
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		This n	 This module comprises 2 module components. Information on courses will be listed separately for each module component. 08-MAM-1-091: V (no information on SWS (weekly contact hours) and course language available) 08-MAM-2-091: P (no information on SWS (weekly contact hours) and course language available) 						
	Method of	fassessment	Asses stated Asses Asses	 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-MAM-1-o91: Modern Analytics 3 ECTS, Method of grading: numerical grade written examination (6o minutes) Assessment in module component o8-MAM-2-o91: Modern Analytics (practical course) 2 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each), logs (approx. 5 pages each), Nachtestate (post-experiment exams, approx. 15 minutes) 						
10-M-TFU2-101-	Mathemat	tics 2 for stud	ents of	Technology of Func	tional Materials					
m01	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 language ava	ailable)			
	Method of	fassessment	writte	n examination (appi	rox. 90 minutes)					

08-IOC-101-m01	Organi	ic Chemi	istry for en	igineering students (le	ecture and laboratory co	urse)					
	ECTS	12	Duration	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. 08-IOC-2-101: V + Ü (no information on SWS (weekly contact hours) and course language available) 08-IOC-3-101: P (no information on SWS (weekly contact hours) and course language available) 08-OC1-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available) 							
	Method of assessment			Assessment in this mo stated otherwise, succ	odule comprises the asso ressful completion of the	essments in the individual moc e module will require successfu	lule component Il completion of	s as specified below. Unless all individual assessments.			
				Assessment in module Chemistry - Laboratory • 5 ECTS, Method • a) 1 to 3 written written examination in Assessment in module • 2 ECTS, Method • Vortestate (pre- experiment exa Assessment in module • 5 ECTS, Method • a) 1 to 3 written each; 3 written or c) oral exami • Other prerequis ses as specified regular attenda	e component o8-IOC-2-1 course for students of e of grading: numerical g examinations (1 written ations: 60 minutes each) groups (groups of 2, app component o8-IOC-3-1 of grading: (not) success experiment exams, appr ms, approx. 15 minutes component o8-OC1-1-0 of grading: numerical g examinations (1 written examinations: 60 minut nation in groups (groups ites: Admission prerequ d at the beginning of the nce of exercises (usually	 o1: Organic Chemistry - Labora engineering rade examination: 90 minutes; 2 w or b) oral examination of one orox. 30 minutes) o1: Tutorial on the Organic Chemistry 1 organic chemistry 1 organic chemistry 1 organic rade examination: approx. 90 minutes each) or b) oral examination: approx. 90 minutes each) or b) oral examination of 2, approx. 30 minutes) 	tory course for s ritten examinati candidate each mistry for stude ent of practical pe ic Chemistry 1 ites; 2 written ex n of one candid completion of e ises to be succ unexcused abse	tudents of engineering Organic ons: 60 or 90 minutes each; 3 (approx. 20 minutes) or c) oral nts of engineering erformance, Nachtestate (post- caminations: 60 or 90 minutes ate each (approx. 20 minutes) exercises in the respective clas- essfully completed) as well as nce).			
	other	orerequi	sites	By way of exception, a	dditional prerequisites a	are listed in the section on asse	essments.				
	Referre	ed to in I	LPO I	§ 62 (1) 2. Chemie "Or	ganische und Bioorganis	sche Chemie"					

08-CT-101-m01	Molecular Mat	Molecular Materials (lecture and laboratory course)											
	ECTS 10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		This n	odule comprises 2 08-CT-1-101: V + Ü 08-CT-2-101: P (no	module components (no information on S ¹ information on SWS	. Information on courses will NS (weekly contact hours) ar (weekly contact hours) and c	be listed separate nd course languag ourse language av	ely for each module c e available) vailable)	component.				
	Method of ass	essment	Asses stated	sment in this modu l otherwise, succes	lle comprises the ass sful completion of the	essments in the individual m e module will require success	odule component sful completion of	s as specified below. all individual assess	. Unless ments.				
			Asses Asses	5 ECTS, Method of presentation (applexaminations: 60 of date each (approx. 5 ECTS, Method of 5 ECTS, Method of Vortestate (pre-exp ment exams, approx.	mponent o8-CT-1-10 grading: numerical g rox. 30 minutes) and or 90 minutes each; 3 . 20 minutes) or c) or omponent o8-CT-2-10 grading: (not) succes periment exams, app ox. 15 minutes)	1: Molecular Materials (Lectu rade a) 1 to 3 written examination written examinations: 60 m al examination in groups (gro 1: Principles of Inorganic Che sfully completed rox. 15 minutes each), logs (a	re) Molecular Mat ns (1 written exam inutes each) or b) oups of 2, approx. emistry for Mather approx. 5 pages ea	erials (Lecture) nination: 90 minutes; oral examination of c 30 minutes) matics Majors ach), Nachtestate (po	2 written one candi- ost-experi-				
11-TMS-101-m01	Introduction to	o the Phys	sics of	Functional Material	S								
	ECTS 5	Duration	n I	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V + U	(no information on)	SWS (weekly contact	hours) and course language	available)						
	Method of ass	essment	writte	n examination (app	rox. 120 minutes)								
03-TV-101-m01	Technology of	Composi	te Mate	erials (lecture and la	aboratory course)								
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		This n	 o3-TV-1-091: V (no information on SWS (weekly contact hours) and course language available) o3-TV-2-101: P (no information on SWS (weekly contact hours) and course language available) 									
	Method of ass	essment	Asses stated	sment in this modu I otherwise, succes	lle comprises the ass sful completion of the	essments in the individual m e module will require success	odule component sful completion of	s as specified below. all individual assess	. Unless ments.				
			Asses • Asses	3 ECTS, Method of written examinatio	omponent 03-TV-1-09 grading: numerical g on (60 minutes) omponent 03-TV-2-10	 Technology of Composite I rade Technology of Composite I refully completed 	Materials Materials, laborat	ory course					
			•	oral examination (approx. 15 minutes) a	ind logs (approx. 5 pages eac	ch)						
Compulsory Electiv	ves (5 ECTS cred	its)											
10-I-EPIN-062-m01	Introduction to	o compute	er scier	ice of all faculties									
	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	<u></u>	V + Ü	(no information on :	SWS (weekly contact	hours) and course language	available)						
	Method of ass	essment	writte 25 mi	n examination (50 r nutes)	ninutes) or oral exam	ination (one candidate each:	: 20 minutes, grou	ips of 2: 25 minutes,	groups of 3:				
Bachelor's with 1 major	echnology of Function	al Materials (2	2010)			JMU Würzburg • generated 26-Aug	g-2024 • exam. reg. data r	record 82 177 - - H 2010	page 8 / 13				

10-I-DB-072-m01	Data ba	Data bases												
,	ECTS	5	Duration	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	d of ass	essment	writte	n examination (50 r	ninutes) or oral exam	ination (one candidate each: 1	5 minutes, grou	ps of 2: 20 minutes, groups of 3:					
				25 mi	nutes)									
11-N1-072-m01	Basics	of Nano	structure	Techn	echnology									
	ECTS	6	Duratior	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	S		V + S	(no information on S	SWS (weekly contact	hours) and course language av	vailable)						
	Method	Method of assessment written examination (approx. 90 minutes)												
10-M-ODE-082-	Ordina	Ordinary Differential Equations												
m01	ECTS	5	Duratior	<u>1</u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)						
	Methoo	1 of asse	essment	writte exami Langu	n examination (app ination of one candi uage of assessment:	rox. 90 minutes); if a idate each (approx. 2 : German, English if a	nnounced by the lecturer, the v o minutes) or an oral examinat greed upon with the examiner	written examina ion in groups (g	tion can be replaced by an oral roups of 2, approx. 30 minutes)					
	other p	rerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on 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 as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.										
08-PKC-092-m01	Program	mming (course for	r Chem	istry Majors									
	ECTS	5	Duratior	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	vailable)						
	Methoo	d of asse	essment	practi time a	cal examination: co as specified at the b	mpletion of program eginning of the cours	ming exercises and oral descrip e)	ption of algorith	ms used (length/expenditure of					
03-TF-FBM-101-	Functio	onal Bio	materials	for stu	udents of Technolog	gy of Functional Mate	rials. Lectures, laboratory cour	rse						
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	s		V + P	(no information on S	SWS (weekly contact	hours) and course language av	vailable)						
	Methoo	d of asse	essment	placement report / fieldwork report / report on practical training / report on practical course / project report / report on techni- cal course (approx. 10 pages) and written examination (approx. 60 minutes)										

08-NT-101-m01	Chemi	cally and	d biologic	ally in	spired Nanotechnol	ogy for Materials Sy	nthesis			
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		This n	nodule comprises 2 08-NT-1-101: V (no 08-NT-2-101: V (no	module components information on SWS information on SWS	. Information on courses will be (weekly contact hours) and cou (weekly contact hours) and cou	e listed separate rse language av rse language av	ely for each module component. /ailable) /ailable)	
	Metho	d of ass	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.						
				Asses • •	sment in module co 2 ECTS, Method of oral examination (a	mponent o8-NT-1-10 grading: numerical g approx. 15 minutes)	 Chemically and biologically in rade 	nspired Nanote	chnology for Materials Synthesis	
				Asses •	sment in module co 3 ECTS, Method of oral examination (a	mponent o8-NT-2-10 grading: numerical g approx. 20 minutes)	1: From Biomineralisation to biorade	ologically inspir	red Materials Synthesis	
08-BC-TF-082-m01	Bioche	mistry f	or Engine	ering l	Majors					
	ECTS 3 Duratio		1	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 written examination (60 minutes)									
10-M-FAN-072-m01	Introdu	ntroduction to Functional Analysis								
	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)		
	Metho	d of asso	essment	writte exami Langu	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	prerequis	sites	Certain prerequisites must be met to qualify for admission to assessment. The lecturer will inform students about the respec- tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on 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 as- sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali- fication for admission to assessment anew.						
	Referre	a to in L	104	9 73 (1) 1. Mathematik Ana	alysis				

10-M-NM1-082-	Numerical Mathematics 1										
m01	ECTS 8	8	Duration	า	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	ofasse	ssment	writte	n examination (app	rox. 90 minutes); if announced by the lecturer, the	written examina	tion can be replaced by an oral			
				exami	nation of one candi	date each (approx. 20 minutes) or an oral examina	tion in groups (g	groups of 2, approx. 30 minutes)			
				Langu	age of assessment:	German, English if agreed upon with the examiner					
	other pre	erequisi	ites	Certai	n prerequisites mus	st be met to qualify for admission to assessment. The second second second second second second second second s	he lecturer will in	nform students about the respec-			
				on to	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi- on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester						
				the le	the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as-						
				sessm	sessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the quali-						
				ficatio	on for admission to a	assessment anew.					
	Referred	ferred to in LPO I § 73 (1) 5. Mathematik Angewandte Mathematik									
10-M-NM2-082-	Numerica	umerical Mathematics 2									
m01	ECTS 5	5	Duratior	l	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	n examination (app	rox. 90 minutes); if announced by the lecturer, the	written examina	tion can be replaced by an oral			
				exami	nation of one candi	date each (approx. 20 minutes) or an oral examina	tion in groups (g	roups of 2, approx. 30 minutes)			
				Laligu		definial, English in agreed upon with the examiner		form students about the respect			
	other pre	elequisi	lies	tive details at the beginning of the course. Registration for the course will be considered a declaration of will to seek admissi-							
				on to assessment. If students have obtained the qualification for admission to assessment over the course of the semester.							
				the le	the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to as-						
				sessn	ient in the current o	r in the subsequent semester. For assessment at a	later date, stude	ents will have to obtain the quali-			
	Defermed	4 - 1 - 1 T		ficatio	on for admission to a	assessment anew.					
	Referred	to in Li	<u>, 10</u>	973(1) 5. Mathematik An	gewandte Mathematik					
10-M-PRG-082-	Program	ming co	burse for	stude	nts of Mathematics						
mor	ECIS	3	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate			
	Courses			P (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method	of asse	ssment	projec	t in the form of prog	gramming exercises (as specified at the beginning (of the course)				
	othorpro	roquici	itac	Admir	age of assessment:	German, English in agreed upon with the examiner	itorod a maxim	um of one incident of unevouced			
	otherpre	erequisi	lles	abser	ice).	assessment: regular allendance (allendance mon	intoreu, a maxim				
	Referred	to in LF	PO I	§ 73 (1) 5. Mathematik An	gewandte Mathematik					

10-M-COM-082-	Computeroriented Mathematics												
m01	ECTS 3 Duration			า	1 semester	Method of grading	(not) successfully comp	leted Modul level	undergraduate				
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	ofasse	essment	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	Admission prerequisite to assessment: regular attendance of exercises (attendance monitored, a maximum of one incident of unexcused absence).									
	Referre	d to in L	.PO I	§ 73 (1) 5. Mathematik Angewandte Mathematik									
09-AG-102-m01	Analysis of Geomaterials												
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment written or oral examination of one candidate each or presentation (30 minutes each)												
09-WG-102-m01	Economic Geology												
	ECTS 5 Duratio		Duration	ו	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		S (no information on SWS (weekly contact hours) and course language available)									
	Method	ofasse	essment	writte	n or oral examinati	on of one candidate e	ach or presentation (30 r	ninutes each)	_				
09-SE-102-m01	Stratigraphy and Earth History												
	ECTS 5 Duration			۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	ofasse	essment	writte	n or oral examinati	on of one candidate e	ach or presentation (30 r	ninutes each)					
09-PT-102-m01	Petrology												
	ECTS	5	Duration	۱	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 or oral examination of one candidate each or presentation (30 minutes each)												
09-GW-102-m01	Geoche	mistry	and Geoh	ydrology									
	ECTS 5 Duration			۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		V + Ü	(no information on	SWS (weekly contact	hours) and course langu	age available)					
	Method	ofasse	essment	written or oral examination of one candidate each or presentation (30 minutes each)									
09-GM-102-m01	Rock Identification under the Microscope												
	ECTS 5 Duration			າ	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	ofasse	essment	written or oral examination of one candidate each (30 minutes each)									

page 12 / 13

Thesis (12 ECTS credits)														
08-BT-062-m01	Bachelor's Thesis													
	ECTS 12 Duration		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Course	es		no courses assigned										
	Metho	d of asse	essment	written thesis Language of assessment: German or English										
	other prerequisites			Registration for assessment on a continuous basis as agreed upon with supervisor.										
Subject-specific Key Skills (10 ECTS credits)														
08-FS1-101-m01	Materials Science 1 (Basic Introduction)													
	ECTS 5 Duration		ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Course	es		V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Metho	d of asse	essment	written examination (90 minutes)										
08-FS2-101-m01	Materials Science 2 (The Major Material Groups)													
	ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Course	es		V + Ü (no information on SWS (weekly contact hours) and course language available)										
	Metho	d of asse	essment	written examination (approx. 90 minutes)										