

Annex SFB

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

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2014

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

= lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB

= list of modules

Other: **A** = thesis, **LV** = course(s), **PL** = assessment(s), **TN** = participants, **VL** = prerequisite(s)

Conventions for the 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:

ASP02009

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

19-Feb-2014 (2014-1)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be spe	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	ssessm	ent								
	Only after su completion of		ıl if applica	f applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	if applicable							
	Additional in	format	ion if applica	if applicable							
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)							

Compulsory Electiv	es (90 ECTS cre	dits)								
Compulsory Elective Students must choose				avadita aa ab						
Inorganic Chemistr			ECIS	credits each.						
	•	•								
Compulsory Course										
08-ACM1-141-m01	ECTS 10	Duratio		1	Method of grading	numarical grada	Modul level	graduata		
	Courses	Duratio		2 semester		hours) and course lar		graduate		
		essment	a) wri c) ora or e) se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the cour-						
08-ACPM-132-m01	Inorganic Chen	nistry pra	actical	course for advanced	i					
	ECTS 10	Duratio		1 semester		•	mpleted Modul level	graduate		
	Courses				•	rs) and course langua	<u> </u>			
	Method of asse	essment		cal work with lab re lage of assessment:		es) and talk (approx. 1	5 minutes)			
	Additional Info	rmation	Addit	ional information or	n module duration: bl	ock placement with a	duration of a minimum	of 40 working days.		
Compulsory Electiv	es (5 ECTS credi	its)								
08-ACM2-141-m01	Bioanorganic C	Chemistry	/							
	ECTS 5	Duratio		1 semester	Method of grading		Modul level	graduate		
	Courses			-		rs) and course langua	<u> </u>			
	Method of asse	essment	c) ora or e) se.	l examination in gro	oups (groups of 2: ap x. 30 minutes). Stude	prox. 30 minutes, grou	ups of 3: approx. 40 min	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-		
08-ACM3-141-m01	Solid state che	mistry a	nd inor	ganic materials						
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses									
	Method of asse	S (no information on SWS (weekly contact hours) and course language available) Method of assessment a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								

08-HKM2-141-m01	Advanc	Advanced organometallic chemistry and its application in homogeneous catalysis												
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S	•	S (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)	•					
	Method	l of asso	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English										
Organic Chemistry	(25 ECTS													
Compulsory Course	es (15 EC	TS cred	its)											
08-0CM-SYNT-141-	Moderr	Synth	etic Meth	ods										
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	101 0551	essment	c) ora or e) p se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the cour se. Language of assessment: German, English									
o8-OCM-	Advanc	ed NMF	R- and Ma	Mass Spectrometry										
NMRMS-141-mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		P (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)						
	Method	l of asso	essment	c) ora or e) p se.	l examination in gr	oups (groups of 2: appox. 30 minutes). Stude	prox. 30 minutes, groups of 3: a	pprox. 40 minu	each (approx. 20 to 30 minutes) or tes) or d) log (approx. 20 pages) of assessment prior to the cour-					
08-OCM-AKP1-122-	Advanc	ed Rese	earch Pro	ject										
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate					
	Courses		P (no information on SWS (weekly contact hours) and course language available)											
	Method	of asso	essment			and log (approx. 15 to t: German or English	o 20 pages)							

Compulsory Elective	es (10 E0	CTS cred	dits)									
08-OCM-NAT-141-	Modern	Aspect	ts of Natu	ral Pro	duct Chemistry an	d Biological Chemist	ry					
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5			S (no information on SWS (weekly contact hours) and course language available)							
	Method	l of asse	essment	c) ora or e) p se.	l examination in gro	oups (groups of 2: ap ox. 30 minutes). Stud	prox. 30 minutes, groups	of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) of assessment prior to the cour-			
	Participants and allocation of places Organic Functional Mate			Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.								
08-OCM-FM-141-		: Functi	onal Mate	erials								
mo1	ECTS 5 Duration				1 semester	Method of grading		Modul level	graduate			
	Courses	5		-			urs) and course language					
	Method	l of asse	essment	c) ora or e) p se.	l examination in gro	oups (groups of 2: ap ox. 30 minutes). Stud	prox. 30 minutes, groups	of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) n of assessment prior to the cour-			
08-HKM1-141-m01	Organo- and Biocatalysis											
	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (no			urs) and course language		10				
				a) wri c) ora or e) p se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minor e) presentation (approx. 30 minutes). Students will be informed about the type and lengt se. Language of assessment: German, English				ites) or d) log (approx. 20 pages)			
08-SCM1-102-m01	Supram	olecula	r Chemis	try (Ba	sics)			,				
		5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5	•	S (no	information on SW	S (weekly contact ho	urs) and course language	available)				
	Method	l of asse	essment			orox. 90 minutes) or one control of the control of	oral examination of one ca	andidate each (approx	x. 20 minutes)			
08-SCM3-141-m01	Bioorga	nic Che	emistry									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		S (no	information on SW	S (weekly contact ho	urs) and course language	available)	•			
			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
Master's with 1 major Ch	emistry (201	4)					JMU Würzburg • generated 26	6-Aug-2024 • exam. reg. data r	record 88 032 - - H 2014 page 5 / 51			

08-TCM2-141-m01	Compu	tational	Chemist	ry								
·	ECTS	5	Duration	<u>, </u>	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	,	S + Ü	(no information on	SWS (weekly contact hours) and course language a	vailable)	1-				
	Method	d of asse	essment	c) ora or e) p se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							
Physical Chemistry	(25 ECT	S credit	s)									
Compulsory Course	es (10 EC	TS credi	its)									
08-PCM1a-132-	Laser S	pectros	сору									
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	rses S + Ü (no information on SWS (weekly contact hours) and course language available)										
					written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English							
08-PCM1b-132-	Advanced Physical Chemistry (Lab)											
mo1	ECTS 5 Duratio			า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			P (no	information on SWS	6 (weekly contact hours) and course language availa	able)					
	Method of assessment			Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English								
	Additio	nal Info	rmation	Additi	onal information or	n module duration: block placement with a duration	of a minimum o	of 20 working days.				
Compulsory Electiv	es (15 E0	CTS cred	lits)									
08-PCM2-102-m01	Chemic	al Dyna	mics									
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S + Ü	(no information on	SWS (weekly contact hours) and course language a	vailable)					
	Method of assessment written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) tanguage of assessment: German or English											
08-PCM3-102-m01	Nanosc	ale Mat	erials									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment			ninutes) or oral examination of one candidate each : German or English	(20 minutes) or	talk (30 minutes)				

08-PCM4-141-m01	Ultrafas	Ultrafast spectroscopy and quantumcontrol												
	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	5		S + Ü	(no information or	n SWS (weekly contac	t hours) and course languag	ge available)						
	Method	l of asso		minut	tes)	prox. 90 minutes) or it: German, English	oral examination of one can	didate each (approx	k. 20 minutes) or talk (approx. 30					
	other p	rerequi	sites	Prior successful completion of modules o8-PCM1a and o8-PCM1b is highly recommended.										
08-PCM5-141-m01	Physical chemistry of supramolecular assemblies													
	ECTS	5	Duration	n 1 semester		Method of grading	numerical grade	Modul level	graduate					
	Courses	5	,	S + Ü	(no information or	n SWS (weekly contac	t hours) and course languag	ge available)						
	Method	l of asso		minut	ritten examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (apprinutes) inutes) Inguage of assessment: German, English									
08-PCM6-132-m01	Physica	al Chem	istry (Adv	anced	Lab)	,								
	ECTS	5	Duration)	1 semester	Method of grading	(not) successfully comple	ted Modul level	graduate					
	Courses	S	,	P (no	information on SW	/S (weekly contact ho	ours) and course language a	vailable)	•					
	Method	l of ass			ntation (approx. 20 uage of assessmen	o minutes) it: German or English								
	Module comple		essfully	08-P0	CM1									
	Additio	nal Info	rmation	Additional information on module duration: block placement with a duration of a minimum of 20 working days.										
08-TCM1-141-m01	Theoret	tical Ch	emistry (E	Basics)									
	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	S		S + Ü	(no information or	n SWS (weekly contac	t hours) and course languag	ge available)						
	Method	l of asso		c) ora or e) se.	l examination in gr presentation (appr	roups (groups of 2: a	pprox. 30 minutes, groups o	f 3: approx. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-					
08-TCM2-141-m01	Comput	tational	l Chemisti	γ										
	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	5		S + Ü	(no information or	n SWS (weekly contac	t hours) and course languag	ge available)						
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English										

Biochemistry (25 E Students are highly			to consul	t with	course advisory serv	ice prior to choosing	this focus.		
Compulsory Course						p			
08-BC-MOLM-141-	Molecu	ılar Biol	ogy						
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	vailable)	
				(approx. sessn	ox. 20 minutes) or d)	oral examination in esentation (approx. grse.	groups of up to 3 candidates ((groups of 2: app	mination of one candidate each prox. 30 minutes, groups of 3: ap- the method and length of the as-
08-BC-MOLP-141-		lar Biol	ogy Lab						
mo1	ECTS 10 Duration			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			Ü (no	information on SWS	(weekly contact hou	rs) and course language availa	able)	
	Method of assessment			a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups prox. 40 minutes) or e) presentation (approx. 30 minutes). Students will be informed about the method and length of sessment prior to the course. Assessment offered: once a year, winter semester Language of assessment: German, English					prox. 30 minutes, groups of 3: ap-
	cation	oants an of place:	es						
Compulsory Electiv									
08-BC-VPMM-141-					chines for advanced			_	
mo1	ECTS	10	Duration		1 semester	Method of grading		Modul level	graduate
	Course					· · · · · · · · · · · · · · · · · · ·	rs) and course language availa	able)	
	Method	d of asse	ssment		pprox. 20 pages) and age of assessment:	d talk (approx. 15 mi German, English	nutes)		
	Module comple	es succe eted	ssfully	o8-B0	-MOLP				
	Additio	nal Info	rmation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum o	of 40 working days.
08-BC-VPPD-141-	Practic	al cours	e Protein	Degra	dation in Eukaryotes	s for advanced stude	nts		
mo1	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	able)	
	Method	d of asse	ssment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English					
	Modules successfully completed		o8-BC-MOLP						
	Additio	nal Info	rmation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum o	of 40 working days.
Master's with 1 major Ch	emistry (201	14)					JMU Würzburg • generated 26-Aug-2	024 • exam. reg. data r	record 88 032 - - H 2014 page 8 / 51

08-BC-VPRB-141-	Practic	al cours	e RNA Bi	ochemi	istry for advanced s	tudents					
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)			
	Method	d of asse	essment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English							
	Module comple	es succe eted	essfully	o8-BC-MOLP							
	Additio	nal Info	rmation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum c	of 40 working days.		
08-BC-VPSB-141-	Practic	al cours	e Structu	ral Bio	logy for advanced s	tudents					
mo1	ECTS 10 Duration			1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)			
	Method	d of asse	essment		pprox. 20 pages) an age of assessment:	d talk (approx. 15 mir German, English	nutes)				
	Modules successfully completed			o8-BC-MOLP							
	Additio	nal Info	rmation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum c	of 40 working days.		
08-ACM2-141-m01	Bioano	rganic (Chemistry								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	-					rs) and course language availa				
	Method	d of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							
08-HKM1-141-m01	Organo	- and B	iocatalys	is							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	5		S (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)			
	Method	d of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							

08-OCM-NAT-141-	Moderi	Modern Aspects of Natural Product Chemistry and Biological Chemistry											
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S	•	S (no	information on SWS	(weekly contact hours) and course language availa	ble)	-					
	Method	d of ass	essment	c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								
	Participants and allo- cation of places				Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.								
08-MCM3-132-m01	Principles of drug design												
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S + Ü	(no information on S	SWS (weekly contact hours) and course language av	vailable)						
	Method	presentation with discussion (approx. 30 minutes) Language of assessment: German or English											
08-PH-KAC-092-	Clinica	l and Ar											
mo1	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Courses			V (no	information on SWS	(weekly contact hours) and course language availa	ble)						
	Method	d of ass	essment	writte	en examination (120	minutes)							
08-PH-KACP-092-	Clinical and Analytical Chemistry (practical course)												
mo1	ECTS 5 Duration		า	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate						
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)									
Functional Materia	ls (25 EC	TS cred	lits)										
Compulsory Course	es (20 E(CTS cred	dits)										
08-FMM-MP-102-	Lab Co	urse Ma	terials So	ience									
mo1	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	S		P (no	information on SWS	(weekly contact hours) and course language availa	ble)						
				Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English									
08-FMM-PA-102-	Project	Work											
mo1	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate					
	Course	S		P (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			talk (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English									

08-0CM-FM-141-	Organic Functional Materials												
mo1	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	graduate					
	Courses		S (no	information on SW	S (weekly contact hours) and course language a	available)	•					
	Method of	assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English										
08-FS1-141-m01	Material Sciences 1 (Principles)												
	ECTS 5	Duratio		1 semester	Method of grading r	umerical grade	Modul level	undergraduate					
	Courses		V + Ü	(no information on	SWS (weekly contact he	ours) and course langua	age available)						
	Method of	assessment	c) ora or e) se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course, anguage of assessment: German, English									
Compulsory Electi	ves (5 ECTS o	credits)	•										
08-FS2-141-m01	Material Sciences 2 (Materials)												
	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate					
	Courses	·	V + Ü	(no information on	SWS (weekly contact he	ours) and course langua	age available)						
	Method of	assessment	c) ora or e) se.	l examination in gr	oups (groups of 2: approx. 30 minutes). Studen	ox. 30 minutes, groups	of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) n of assessment prior to the cour-					
08-NTM-141-m01	Chemically	and bio-insp	ired N	anotechnology for	Material Synthesis		,						
	ECTS 5	Duratio	n	1 semester	Method of grading r	umerical grade	Modul level	undergraduate					
	Courses		V + V	(no information on	SWS (weekly contact ho	ours) and course langua	age available)						
	Method of	assessment	c) ora	l examination in gr	oups (groups of 2: appr	ox. 30 minutes, groups	of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) n of assessment prior to the cour-					
08-FMM-CT-141-	Molecular	Materials (Le	cture)										
mo1	ECTS 5	Duratio		1 semester	Method of grading r		Modul level	graduate					
	Courses		V + Ü	(no information on	SWS (weekly contact he	ours) and course langua	age available)						
	Method of	assessment	prese	ntation (approx. 30	minutes) and examina	tion							

03-FU-PM1-141-	Polyme	r Chem	istry					-					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	5			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-FU-PM1-1-141: V (no information on SWS (weekly contact hours) and course language available) o3-FU-PM1-2-122: 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.								
				Asses	3 ECTS, Method of a) written examina minutes) or c) oral log (approx. 20 pag of assessment prices sment in module co 2 ECTS, Method of Vortestate (pre-exp Assessment offere	grading: numerical g tion (approx. 90 to 1 examination in grouges) or e) presentation or to the course. omponent 03-FU-PM1 grading: (not) success periment exams, app d: once a year, sumn	.80 minutes) or b) oral examinations (groups of 2: approx. 30 minutes). Student (approx. 30 minutes). Student (approx. 30 minutes). Student (approx. 30 minutes) (approx. 12: Polymer Chemistry (Prassfully completed approx. 15 minutes each) and logs	ation of one car inutes, groups on nts will be infor actical course) (approx. 5 page	ndidate each (approx. 20 to 30 of 3: approx. 40 minutes) or d) med about the type and length as each)				
03-PM2-122-m01	Polymers II												
	ECTS 5 Duratio				1 semester	Method of grading		Modul level	graduate				
	Course			S + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	l of asso	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) talk (30 minutes) or c)									
08-PCM3-102-m01	Nanosc	ale Mat	terials										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	5		S + Ü	no information on S	SWS (weekly contact	hours) and course language av	vailable)					
	Method	l of asso	essment		n examination (90 n		ination of one candidate each	(20 minutes) or	talk (30 minutes)				
08-SCM1-102-m01	Supran	olecula	ar Chemis	try (Ba	sics)			,					
	ECTS 5 Duration				1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	5	•	S (no information on SWS (weekly contact hours) and course language available)									
				written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English									

08-ACM3-141-m01	Solid s	tate che	emistry ar	nd inor	ganic materials	-						
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (no	information on SWS	(weekly contact ho	urs) and course language avail	lable)				
	Method	d of ass	essment	c) ora or e) p se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							
Homogeneous Cata	llysis (2	5 ECTS	credits)									
Compulsory Course	es (20 EC	CTS cred	lits)									
08-HKM1-141-m01	Organo	o- and B	iocatalys	is								
	ECTS 5 Duration				1 semester	Method of grading		Modul level	graduate			
	Course											
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the cour se. Language of assessment: German, English								
o8-HKM2-141-mo1	Advanced organometallic chemistry and its application in homogeneous catalysis											
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			S (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								
o8-HKM3AC-132-	Practic	al cours	se Homog	eneou	s catalysis in Inorga	nic Chemistry						
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S					urs) and course language avail					
	Method	d of ass	essment		cal work with lab replage of assessment:		es) and talk (approx. 15 minute	es)				
							lock placement with a duration	n of a minimum (of 20 working days.			
08-HKM30C-132-					s catalysis in Organi							
mo1	ECTS	5	Duratio		1 semester	·	(not) successfully completed		graduate			
	Course			-		<u> </u>	urs) and course language avail					
	Method of assessment				practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Additio	nal Info	nal Information Additional information on module duration: block placement with a duration of a minimum of 20 working days.									

Compulsory Electiv	es (5 EC	TS cred	its)								
08-HKM4-141-m01	Advanc	ed tran	sition me	tal che	mistry						
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	S		S (no	information on SW	S (weekly contact ho	urs) and course langua	age availa	ble)		
	Method of assessment a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 m c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to t se. Language of assessment: German, English										
08-PCM2-102-m01	no1 Chemical Dynamics										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	S		S + Ü	(no information on	SWS (weekly contac	t hours) and course lar	nguage av	ailable)		
	Method	of ass	essment	written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English							
08-OCM-SYNT-141-	Moderr	Synth	etic Meth	ods							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	S		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	c) ora or e) p se.	l examination in gro	oups (groups of 2: ap ox. 30 minutes). Stud	prox. 30 minutes, gro	ups of 3: a	ipprox. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) of assessment prior to the cour-	
08-TCM2-141-m01	Compu	tationa	l Chemist	ry							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade		Modul level	graduate	
	Course	S		S + Ü	(no information on	SWS (weekly contac	t hours) and course lar	nguage av	ailable)		
	Method of assessment a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 provided approx. 20 provided approx. 30 minutes). Students will be informed about the type and length of assessment prior to the se. Language of assessment: German, English									ites) or d) log (approx. 20 pages)	

03-FU-PM1-141-	Polyme	r Chem	istry								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		•	03-FU-PM1-1-141: V	' (no information on S	s. Information on courses will be SWS (weekly contact hours) and SWS (weekly contact hours) and	d course langua			
	Method	d of ass	essment				essments in the individual mod e module will require successfu				
				Asses	 Assessment in module component o3-FU-PM1-1-141: Polymer Chemistry (Lecture) 3 ECTS, Method of grading: numerical grade a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Assessment in module component o3-FU-PM1-2-122: Polymer Chemistry (Practical course) 2 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each) Assessment offered: once a year, summer semester Language of assessment: German, English if agreed upon with the examiner 						
Medicinal Chemist	ry (25 EC	TS cred	lits)								
Compulsory Course	es (25 EC	TS cred	lits)								
08-MCM1-102-m01	Practic	al cours	se medici	nal che	mistry						
	ECTS	10	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hou	ırs) and course language availa	ble)			
	Method	d of ass	essment	perfor		ort (approx. 30 to 50		(approx. 20 mi	nutes), assessment of practical		
o8-MCM2a-141-	Pharma	aceutica	al/Medici	nal Che	emistry 1						
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	•	V (no	information on SWS	(weekly contact hou	irs) and course language availa	ble)			
	Method	d of ass	essment	c) ora	l examination in gro	ups (groups of 2: ap	prox. 30 minutes, groups of 3: a	approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) i of assessment prior to the cour-		

08-MCM2b-141-	Pharma	aceutica	l/Medici	nal Che	emistry 2	-				
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S		V (no	information on SWS	(weekly contact hours) and course language availa	ıble)			
	Method	d of asso	essment	c) ora	l examination in gro	oprox. 90 to 180 minutes) or b) oral examination of ups (groups of 2: approx. 30 minutes, groups of 3: 6. 30 minutes). Students will be informed about the	approx. 40 minu	ites) or d) log (approx. 20 pages)		
08-MCM3-132-m01	Princip	les of d	rug desig	n						
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S	S + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asso	sessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English							
Supramolecular Ch	emistry	(25 ECT	S credits)						
Compulsory Course	s (10 EC	TS cred	its)							
08-SCM1-102-m01	Supran	nolecula	r Chemis	try (Ba	sics)					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S	_	S (no	6 (no information on SWS (weekly contact hours) and course language available)					
	Method	d of asso	essment	written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English						
08-SCM2-102-m01	Supran	nolecula	r Chemis	try (Pr	actical Course)					
	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hours) and course language availa	ıble)			
	Method	d of asso	essment		cal work, logs (appro lage of assessment:					
08-SCM3-141-m01	Bioorga	anic Cho	emistry							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course			S (no information on SWS (weekly contact hours) and course language available)						
	Method	d of asse	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							

Compulsory Electiv			Ma or o	8-DCMs must be con	two modules o8-SCM3 or o8-PCM5 must be completed in the focus.											
08-SCM3-141-m01			113 01 0	6-1 CM5 must be con	inpleted in the locus.											
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate								
	Courses		S (no	information on SWS	(weekly contact hou	rs) and course langu	ıage available)									
			c) ora or e) p se. Langu	l examination in group presentation (approx prage of assessment:	ups (groups of 2: app a. 30 minutes). Stude	orox. 30 minutes, gro	oups of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) of assessment prior to the cour-								
08-PCM5-141-m01	Physical chem	nistry of su	upramo	ıpramolecular assemblies												
	ECTS 5	Duration		1 semester	Method of grading		Modul level	graduate								
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course la	anguage available)									
	Method of ass	thod of assessment written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (approx. minutes) Language of assessment: German, English														
08-ACM2-141-m01	Bioanorganic	Chemistry														
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate								
	Courses															
	Method of ass	Method of assessment a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (appro or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prices. Language of assessment: German, English					ites) or d) log (approx. 20 pages)									
08-MCM3-132-m01	Principles of d	lrug desig	'n													
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate								
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course la	anguage available)									
	Method of ass	sessment		ntation with discuss age of assessment:	ion (approx. 30 minu German or English	ites)										
08-TCM2-141-m01	Computationa	l Chemist	ry													
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate								
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course la	anguage available)									
	A) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the se. Language of assessment: German, English					ites) or d) log (approx. 20 pages)										

08-0CM-FM-141-	Organi	Organic Functional Materials										
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (no	information on SW	S (weekly contact hou	irs) and course langua	ge available)	-			
	Method	d of ass	essment						each (approx. 20 to 30 minutes) or			
				c) ora	l examination in gro	oups (groups of 2: ap	prox. 30 minutes, grou	ps of 3: approx. 40 minu	utes) or d) log (approx. 20 pages) n of assessment prior to the cour-			
				se.	oresentation (appro	ox. 30 minutes). Studi	ents will be informed a	bout the type and tengti	Tot assessment prior to the cour-			
				Langu	lage of assessment	t: German, English						
08-PCM3-102-m01		cale Ma	terials									
	ECTS	5	Duration		1 semester	Method of grading		Modul level	graduate			
	Course				(no information on SWS (weekly contact hours) and course language available)							
	Method	d of ass	essment			minutes) or oral exan t: German or English	nination of one candida	ate each (20 minutes) oi	rtalk (30 minutes)			
Theoretical Chemis	try (25 l	ECTS cr	edits)									
Compulsory Course	s (10 EC	TS cred	lits)									
o8-TCM1-141-mo1	Theore	tical Ch	emistry (I	Basics)							
·	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S + Ü	(no information on	SWS (weekly contact	hours) and course lan	guage available)	-			
	Method	d of ass	essment	c) ora or e) p se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessments.							
08-TCM3-102-m01	Progra	mming	in Theore	tical Cl	nemistry							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S + Ü	(no information on	SWS (weekly contact	hours) and course lan	guage available)				
	Method	d of ass	essment			on of approx. 5 progr t: German or English	amming exercises as w	vell as talk (approx. 45 m	ninutes)			
Compulsory Elective Two of the three mo	es (15 E dules o	CTS cre 8-TCAP	dits) 1, 08-TCAI	P2 and	o8-TCAP3 must be	taken.						
08-TCM2-141-m01	Compu	tationa	l Chemist	ry								
	ECTS	5	Duration		1 semester	Method of grading		Modul level	graduate			
	Course				<u> </u>		hours) and course lan	<u> </u>	_			
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								

08-TCAP1-132-m01	Theoretical C	hemistry -	Projec	t course wave-packe	t dynamics						
	ECTS 5	Duratio	1	1 semester	Method of grading (not) suc	ccessfully completed	Modul level	graduate			
	Courses		,		(weekly contact hours) and co	ourse language availa	ble)				
	Method of as:	sessment		ntation (approx. 30 i							
				age of assessment:							
					module duration: 4 weeks.						
08-TCAP2-132-m01				t coursewave functio			T				
	ECTS 5	Duratio	,	1 semester	Method of grading (not) suc			graduate			
	Courses		_ `		(weekly contact hours) and co	ourse language availa	ble)				
	Method of as:	sessment		ntation (approx. 30 i							
	A - -	. !		anguage of assessment: German or English							
an TCADa saa mass			Additional information on module duration: 4 weeks. Project course Computational Photochemistry								
08-1CAP3-132-M01				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	f	Mandad Inval	Tama di sata			
	ECTS 5	Duratio	,	1 semester	Method of grading (not) suc		Modul level	graduate			
	Courses		`	(no information on SWS (weekly contact hours) and course language available)							
	Method of as:	sessment		ntation (approx. 30 i							
	Additional Inf	ormation			module duration: 4 weeks.						
08-MCM3-132-m01			,								
00 MCM3 132 mo1	ECTS 5	Duration		1 semester	Method of grading numeric	al σrade	Modul level	graduate			
	Courses	Burution			SWS (weekly contact hours) ar			Sidduce			
		sessment		<u>`</u>	ion (approx. 30 minutes)	ia course language av	unaste)	-			
	Wethou of us.	Sessifient		age of assessment:							
Additional qualifica	ations (15 ECTS	credits)									
Additional qualifica	ations Compul	sorv Electi	ves Foo	uses (5 ECTS credits	;)						
					that has not been used as par	t of a focus subject.					
08-ACM1-141-m01	Advanced Inorganic Chemistry										
	ECTS 10	Duratio	1	2 semester	Method of grading numeric	al grade	Modul level	graduate			
	Courses		S + S	no information on S	WS (weekly contact hours) ar	ıd course language av	ailable)				
	Method of as:	sessment	t a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes)								
			c) ora	l examination in gro	n in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the cour-						
			or e) p	oresentation (approx	a. 30 minutes). Students will b	e informed about the	type and length	of assessment prior to the cour-			
			Language of assessment: German, English								
		Language of assessment: German, English									

08-ACM2-141-m01	Bioano	Bioanorganic Chemistry												
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		S (no	information on SWS	(weekly contact hou	rs) and course language avai	lable)						
	Method	d of asse	essment	c) ora or e) p se.	l examination in gro	ups (groups of 2: appx. 30 minutes). Stude	orox. 30 minutes, groups of 3	: approx. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-					
08-ACM3-141-m01	Solid s	tate che	mistry ar	and inorganic materials										
	ECTS	5	Duration	1	1 semester Method of grading numerical grade Modul level graduate									
	Course	S		S (no	information on SWS	(weekly contact hou	rs) and course language avai	lable)						
	Method	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 3 c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior se. Language of assessment: German, English												
08-OCM-SYNT-141-	Moder	Modern Synthetic Methods CTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate												
mo1	ECTS								graduate					
	Course	S		S+Ü	(no information on S	SWS (weekly contact	hours) and course language	available)						
	Method	d of asse	essment	c) ora or e) p se.	l examination in gro	ups (groups of 2: appx. 30 minutes). Stude	orox. 30 minutes, groups of 3	: approx. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-					
08-OCM-	Advand	ed NMR	R- and Ma	ss Spe	ctrometry									
NMRMS-141-mo1	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language avai	lable)						
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English										

08-OCM-NAT-141-	Modern Asp	ects of Natu	ral Pro	duct Chemistry a	nd Biological Chemis	try							
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	·	S (no	information on SV	VS (weekly contact ho	ours) and course language avai	lable)						
	Method of a	ssessment						each (approx. 20 to 30 minutes) or					
								ites) or d) log (approx. 20 pages) I of assessment prior to the cour-					
			se.	oresentation (app	lox. 30 illillutes). Stud	ients will be informed about th	ie type and tengti	Tot assessment prior to the cour-					
			Langu	lage of assessmer	nt: German, English								
	Participants cation of pla		Chem	emistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.									
08-OCM-FM-141-	Organic Fun	ctional Mate	erials										
mo1	ECTS 5	Duratio	1	1 semester Method of grading numerical grade Mo				graduate					
	Courses		S (no	o information on SWS (weekly contact hours) and course language available)									
	Method of a	ssessment	c) ora or e) ¡ se.	l examination in g oresentation (app	en examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 2 examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (esentation (approx. 30 minutes). Students will be informed about the type and length of assessmenge of assessment: German, English								
08-PCM4-141-m01	Ultrafast spectroscopy and quantumcontrol												
	ECTS 5	Duratio	1	5 5 5		numerical grade	Modul level	graduate					
	Courses	•	S + Ü	(no information o	n SWS (weekly contac	t hours) and course language	available)						
	Method of a	ssessment	minut	ritten examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (approx. 30 inutes) anguage of assessment: German, English									
	other prereq	uisites	Prior	Prior successful completion of modules o8-PCM1a and o8-PCM1b is highly recommended.									
08-PCM5-141-m01	Physical che	emistry of s	upramo	olecular assembli	es		'						
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	•	S + Ü	(no information o	n SWS (weekly contac	t hours) and course language	available)						
	Method of a	ssessment	minut	written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (approx. 30 minutes) Language of assessment: German, English									
08-BC-MOLM-141-	Molecular B	iology			,								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V + Ü	(no information o	n SWS (weekly contac	t hours) and course language	available)						
	Method of a	ssessment	a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English										

08-BC-MOLP-141-	Molecu	lar Biol	ogy Lab			,		,				
mo1	ECTS	10	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	S	•	Ü (no	information on SWS	(weekly contact hou	irs) and course langua	age available)				
	Method	l of asse	essment	(appr prox. sessn Asses	vritten examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each crox. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or e) presentation (approx. 30 minutes). Students will be informed about the method and length of the assement prior to the course. The examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each constant approx. 30 minutes, approx. 31 minutes, approx. 31 minutes, approx. 32 minutes, approx. 32 minutes, approx. 33 minutes, approx. 34 minutes, approx. 35 minutes, approx. 35 minutes, approx. 36 minutes, approx. 36 minutes, approx. 36 minutes, approx. 36 minutes, approx. 37 minutes, approx. 37 minutes, approx. 37 minutes, approx. 37 minutes, approx. 38 minutes, approx. 38 minutes, approx. 38 minutes, approx. 38 minutes, approx. 39 minutes, approx. 30 minutes, approx							
	Particip cation o			Bioch	hemistry Bachelor's: 24 places. Chemistry Master's: 6 places.							
08-BC-VPMM-141-	Practica	al cours	e Molecu	lar Ma	achines for advanced students							
mo1	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S	•	P (no	information on SWS	(weekly contact hou	irs) and course langua	ge available)				
	Method	d of asse	essment		pprox. 20 pages) an lage of assessment:	d talk (approx. 15 mi German, English	nutes)					
	Module comple		essfully	o8-B0	-MOLP							
	Additio	nal Info	rmation	Addit	ional information on	module duration: b	ock placement with a	duration of a minimum of	of 40 working days.			
08-BC-VPPD-141-	Practica	al cours	e Protein	Degra	dation in Eukaryote	s for advanced stude	ents					
mo1	ECTS	10	Duratio		1 semester	Method of grading		Modul level	graduate			
	Courses	S		P (no	information on SWS	(weekly contact hou	irs) and course langua	ge available)				
	Method	l of asse	essment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English							
	Modules successfully completed			o8-B0	o8-BC-MOLP							
	Additio	nal Info	rmation	Addit	Additional information on module duration: block placement with a duration of a minimum of 40 working days.							
o8-BC-VPRB-141-	Practica	al cours	e RNA Bi	ochem	istry for advanced st	tudents						
mo1	ECTS	10	Duratio		1 semester	Method of grading	•	Modul level	graduate			
	Courses			P (no	information on SWS	(weekly contact hou	ırs) and course langua	ge available)	_			
	Method of assessment				og (approx. 20 pages) and talk (approx. 15 minutes) anguage of assessment: German, English							
				08-B0	o8-BC-MOLP							
	Additional Information			Addit	Additional information on module duration: block placement with a duration of a minimum of 40 working days.							

08-BC-VPSB-141-	Practic	al cours	e Structu	ral Bio	logy for advanced s	tudents						
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	•	P (no	information on SWS	(weekly contact hou	rs) and course language availal	ble)				
	Method	d of asse	essment		g (approx. 20 pages) and talk (approx. 15 minutes) anguage of assessment: German, English							
	Module comple	es succe eted	ssfully	08-B0	-MOLP							
	Additio	nal Info	rmation	Addit	litional information on module duration: block placement with a duration of a minimum of 40 working days.							
08-FS2-141-m01	Materia	ial Sciences 2 (Materials)										
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)				
				or e) p se. Langu	oresentation (approxuage of assessment:	ntes) or d) log (approx. 20 pages) or of assessment prior to the cour-						
08-NTM-141-m01	Chemic	ally and	d bio-insp	oired N	anotechnology for M	Naterial Synthesis						
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade Modul level undergraduate						
	Course					· · · · · · · · · · · · · · · · · · ·	hours) and course language av	·				
	Method	d of asse	essment	c) ora	l examination in gro	ups (groups of 2: app	orox. 30 minutes, groups of 3: a	pprox. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) of assessment prior to the cour-			
08-FMM-CT-141-	Molecu	olecular Materials (Lecture)										
mo1	ECTS						graduate					
	Course			V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment	prese	ntation (approx. 30 i	minutes) and examin	ation					

03-FU-PM1-141-	Polymer Chemistry												
mo1	ECTS	5	Duratio	n	1 semester	Method of gradii	ng numerical grade	?	Modul level	graduate			
	Course	5		•	 nis module comprises 2 module components. Information on courses will be listed separately for each module component. o3-FU-PM1-1-141: V (no information on SWS (weekly contact hours) and course language available) o3-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available) 								
	Method	l of ass	essment							s as specified below. Unless all individual assessments.			
				Asses	 Assessment in module component o3-FU-PM1-1-141: Polymer Chemistry (Lecture) 3 ECTS, Method of grading: numerical grade a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Assessment in module component o3-FU-PM1-2-122: Polymer Chemistry (Practical course) 2 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each) Assessment offered: once a year, summer semester Language of assessment: German, English if agreed upon with the examiner 								
08-HKM1-141-m01	Organo	- and B	Biocatalys			, , , , , , , , , , , , , , , , , , , ,							
	ECTS	5	Duratio	1 semester Method of grading numer				rical grade Modul level graduate					
	Course	S		S (no	S (no information on SWS (weekly contact hours) and course language available)								
	Method	l of ass	essment	c) ora or e) p se.	l examination in presentation (app	groups (groups of 2:	approx. 30 minutes,	groups of 3: a	pprox. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) n of assessment prior to the cour-			
08-HKM2-141-m01		ed orga	anometall	ic cher	mistry and its ap	olication in homogen	eous catalysis						
	ECTS	5	Duratio	1	1 semester	Method of gradi	ng numerical grade	1	Modul level	graduate			
	Course	S	,	S (no	S (no information on SWS (weekly contact hours) and course language available)								
	Method	l of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									

08-HKM4-141-m01	Advanc	ed tran	sition me	tal che	emistry			ı		
	ECTS	5	Duration	ı	1 semester	Method of gradir	ng numerical grade	N	Modul level	graduate
	Course	S		S (no	information on SV	VS (weekly contact h	ours) and course langua	age available	e)	
	Method	d of ass	essment	c) ora or e) se.	l examination in g presentation (appi	roups (groups of 2: a	approx. 30 minutes, grou	ups of 3: app	rox. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-
08-MCM2a-141-	Pharma	aceutic	al/Medici	nal Ch	emistry 1			'		
mo1	ECTS	5	Duration	1	1 semester	Method of gradir	ng numerical grade	N	Modul level	graduate
	Courses			V (no	information on SV	VS (weekly contact h	ours) and course langua	age available	<u>;)</u>	
	Method	d of ass	sessment	c) ora	l examination in g	roups (groups of 2: a	approx. 30 minutes, grou	ups of 3: app	rox. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-
08-MCM2b-141-	Pharma	aceutic	al/Medici	nal Ch	emistry 2					
mo1	ECTS 5 Duration			8 8				g numerical grade Modul level graduate		
	Course	S		V (no	information on SV	VS (weekly contact h	ours) and course langua	age available	e)	
	Method	d of ass	sessment	c) ora	l examination in g	roups (groups of 2: a	approx. 30 minutes, grou	ups of 3: app	rox. 40 mini	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-
08-SCM3-141-m01	Bioorga	anic Ch	emistry							
	ECTS	5	Duration	ı	1 semester	Method of gradir	ng numerical grade	N	Nodul level	graduate
	Course	S		S (no	information on SV	VS (weekly contact h	ours) and course langua	age available	e)	
	Method	d of ass	sessment	c) ora or e) se.	l examination in g presentation (appi	roups (groups of 2:	approx. 30 minutes, grou	ups of 3: app	rox. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-
08-TCM1-141-m01	Theore	tical Ch	nemistry (I	Basics)					
	ECTS	5	Duration	1	1 semester	Method of gradir	ng numerical grade	N	Nodul level	graduate
	Course	S		S + Ü	(no information o	n SWS (weekly conta	act hours) and course lar	nguage avail	able)	
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						

08-TCM2-141-m01	Comput	ationa	l Chemist	ry		-						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5	•	S + Ü	(no information on	SWS (weekly contact hours) and course	e language available)					
	Method	of ass	essment	c) ora	ıl examination in gro	pprox. 90 to 180 minutes) or b) oral expups (groups of 2: approx. 30 minutes,	groups of 3: approx. 40 min	nutes) or d) log (approx. 20 pages)				
				se.	uage of assessment:	x. 30 minutes). Students will be inform German, English	ed about the type and leng	th or assessment prior to the cour-				
08-FS1-141-m01	Material Sciences 1 (Principles)											
,	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	5	•	V + Ü	(no information on	SWS (weekly contact hours) and course	e language available)	•				
	Method	of ass	essment	c) ora or e) se.	al examination in gro	pprox. 90 to 180 minutes) or b) oral examples (groups of 2: approx. 30 minutes, x. 30 minutes). Students will be inform German, English	groups of 3: approx. 40 min	nutes) or d) log (approx. 20 pages)				
08-SCM1-102-m01	Supramolecular Chemistry (Basics)											
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	5		S (no	S (no information on SWS (weekly contact hours) and course language available)							
	Method	of ass	essment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English							
08-PCM2-102-m01	Chemic	al Dyna	mics									
	ECTS	5	Duratio		1 semester	Method of grading numerical grade		graduate				
	Courses	5				SWS (weekly contact hours) and course						
			essment		en examination (90 r uage of assessment	ninutes) or oral examination of one car German or English	ndidate each (20 minutes)	or talk (30 minutes)				
08-PCM3-102-m01			1									
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses					SWS (weekly contact hours) and course						
	Method	of ass	essment		en examination (90 ruage of assessment	ninutes) or oral examination of one car German or English	ndidate each (20 minutes)	or talk (30 minutes)				
08-PH-KAC-092-	Clinical	and Ar	nalytical (hemis	stry							
mo1	ECTS	5	Duratio	on 1 semester		Method of grading numerical grade		undergraduate				
	Courses	5		V (no	information on SWS	G (weekly contact hours) and course lar	nguage available)					
	Method of assessment written examination (120 minutes)											

08-PH-KACP-092-	Clinical and A	nalytical (Chemis	try (practical course	e)						
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully co	ompleted	Modul level	undergraduate		
	Courses	·	P (no	information on SWS	(weekly contact hou	irs) and course langu	age availa	ble)	,		
	Method of ass	essment	exami	ination talks (Testat	e, approx. 15 minute:	s each), log (approx.	5 to 10 pag	ges)			
08-FMM-MP-102-	Lab Course Ma	aterials S	cience								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully co	ompleted	Modul level	graduate		
	Courses		`	(no information on SWS (weekly contact hours) and course language available)							
	Method of ass	sessment	manc	/ortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical perfornance, log (5 to 10 pages) .anguage of assessment: German or English							
08-FMM-PA-102-	Project Work										
mo1	ECTS 5 Duration		n	1 semester	Method of grading	(not) successfully co	ompleted	Modul level	graduate		
	Courses		`		` ,	irs) and course langu	age availa	ble)			
	Method of ass	sessment	talk (a Langu	lk (approx. 15 minutes) and log (approx. 15 pages) anguage of assessment: German or English							
08-MCM1-102-m01	Practical cour	al course medicinal chemistry									
	ECTS 10	Duratio	n	1 semester	Method of grading	(not) successfully co	ompleted	Modul level	graduate		
	Courses		P (no	information on SWS	(weekly contact hou	ırs) and course langu	age availa	ble)			
	Method of ass	sessment	Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of pract performance, written report (approx. 30 to 50 pages) Language of assessment: German or English						ninutes), assessment of practical		
08-SCM2-102-m01	Supramolecul	ar Chemis	try (Pr	actical Course)							
	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully co	ompleted	Modul level	graduate		
	Courses		P (no	information on SWS	(weekly contact hou	irs) and course langu	age availa	ble)			
	Method of ass	sessment		cal work, logs (appr lage of assessment:							
08-TCM3-102-m01	Programming	in Theore	tical Cl	hemistry							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course la	nguage av	ailable)			
	Method of assessment			letion and discussion age of assessment:		amming exercises as	well as tal	k (approx. 45 m	ninutes)		
03-PM2-122-m01	Polymers II	1									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course la	nguage av	ailable)			
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English							

08-PCM1a-132-	Laser Spectros	scopy									
mo1	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of ass			written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English							
0.0011				_	German or English						
08-PCM1b-132- mo1	Advanced Phys				AA (C		1.0 1.11 1				
11101	ECTS 5 Duratio			1 semester		(not) successfully completed	Modul level	graduate			
	Courses				<u> </u>	rs) and course language availa					
	Method of ass			state (pre-experimer age of assessment:		estate (post-experiment exams) (approx. 15 mi	inutes) and log (approx. 15 pages)			
	Additional Info	ormation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum	of 20 working days.			
08-PCM6-132-m01	Physical Chem	nistry (Adv	anced	Lab)				,			
	ECTS 5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)				
	Method of ass			ntation (approx. 20							
			Language of assessment: German or English								
	Modules succe completed	essfully	o8-PC	M1							
	Additional Info	ormation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum	of 20 working days.			
08-MCM3-132-m01	Principles of drug design										
	ECTS 5	Duration		1 semester	Method of grading		Modul level	graduate			
	Courses		S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of ass		presentation with discussion (approx. 30 minutes) Language of assessment: German or English								
08-HKM3AC-132-	Practical cours	se Homoge	eneous	catalysis in Inorga	nic Chemistry						
mo1	ECTS 5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)				
	Method of ass		practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English								
	Additional Info	ormation	Additi	onal information on	module duration: bl	ock placement with a duration	of a minimum	of 20 working days.			
o8-HKM3OC-132-	Practical cours	se Homoge	eneous	catalysis in Organi	ic Chemistry		1				
mo1	ECTS 5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ble)	,			
	Method of ass		practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English								
	Additional Info					ock placement with a duration	of a minimum	of 20 working days.			
					-	•					

- O TCAD	Th	Cl ! - 4	D	<u> </u>						
08-TCAP1-132-m01			<u>·</u> _	·						
	ECTS 5	Duratio		1 semester	8 (19 1111)	Modul level	graduate			
	Courses		P (no	information on SW	S (weekly contact hours) and course language availab	ole)				
	Method of a	ssessment		ntation (approx. 30						
					t: German or English					
					n module duration: 4 weeks.					
08-TCAP2-132-m01				t coursewave funct						
	ECTS 5	Duratio		1 semester		Modul level	graduate			
	Courses		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method of a	ssessment		presentation (approx. 30 minutes)						
					t: German or English					
					n module duration: 4 weeks.					
08-TCAP3-132-m01	Theoretical (Chemistry -	Projec	t course Computat	ional Photochemistry					
	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SW	S (weekly contact hours) and course language availab	ole)				
	Method of a	ssessment		ntation (approx. 30						
					t: German or English					
	Additional Ir	nformation	Additi	ional information o	n module duration: 4 weeks.					
Other additional qu	alifications (10 ECTS cre	dits)							
08-WRM1-132-m01	Tutoring 1 (p	oractical cou	urse)							
	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		Ü (no	information on SW	S (weekly contact hours) and course language availab	ole)				
	Method of a	ssessment			for demonstrations and exercises (approx. 120 hours :: German or English	total)				
	other prereq	uisites	Using	activities performe	ed under a research assistant contract for this module ne exercise held in module 08-WRM2.	is not permitt	ed. The exercise must accompany			
08-WRM2-132-m01	Tutoring 2 (practical co	urse)	,						
	ECTS 5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		Ü (no	information on SW	S (weekly contact hours) and course language availab	ole)	10			
	Method of a	ssessment	prepa	ration of materials	for demonstrations and exercises (approx. 120 hours	•	_			
	other prereq	uisites	Language of assessment: German or English Using activities performed under a research assistant contract for this module is not permitted. The exercise must accompar a different course than the exercise held in module 08-WRM1.							

08-APM1-132-m01	Foreign	Studie	s (short)								
	ECTS	5	Duration	n .	1 semester	Method of grading	(not) successfully o	completed	Modul level	graduate	
	Courses	;		P (no	information on SW	/S (weekly contact ho	urs) and course lang	uage availa	ble)		
	Method	of asse	essment			of having completed l t: German or English;		ective plac	ement country	where required	
	other pr	erequis	sites	Admis with o	Admission prerequisite to assessment: regular attendance of placement (a maximum of 2 incidents of absence); consultation with course advisory service prior to placement highly recommended; not to be combined with o8-APM2.						
				Addit	Additional information on module duration: block placement abroad with a duration of a minimum of 20 working days.						
08-APM2-132-m01	Foreign	Studie	s (long)								
	ECTS	10	Duration	1	2 semester	Method of grading	(not) successfully o	completed	Modul level	graduate	
	Courses			P (no	information on SW	/S (weekly contact ho	urs) and course lang	uage availa	ble)		
	Method of assessment				eport (2 pages); proof of having completed lab course anguage of assessment: German or English; language of the respective placement country where required						
	other prerequisites			Admis with o	Admission prerequisite to assessment: regular attendance of placement (a maximum of 2 incidents of absence); consultation with course advisory service prior to placement highly recommended; not to be combined with o8-APM1.						
	Addition	nal Info	rmation	Addit	ional information o	on module duration: l	olock placement abro	ad with a d	uration of a mi	nimum of 40 working days.	
o8-CHPM1-141-	Chemistry-related courses outside of the Natural Sciences										
mo1	ECTS 5 Duratio			1	1 semester	Method of grading	(not) successfully (completed	Modul level	graduate	
	Courses		A (no	information on SW	/S (weekly contact ho	urs) and course lang	uage availa	ble)			
	Method of assessment				assessment or successful completion as certified by the lecturer Language of assessment: German, English						
	other prerequisites			Pleas	Please consult with course advisory service.						
o8-CHPM2-141-	Chemis	try-rela	ted cours	es wit	hin the Natural Sci	iences					
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully o	completed	Modul level	graduate	
	Courses	*				/S (weekly contact ho		uage availa	ble)		
	Method	of asse	essment		assessment or successful completion as certified by the lecturer Language of assessment: German, English						
	other pr	erequis	sites	Pleas	e consult with cour	rse advisory service.					
Compulsory Course	s (doubl	e degre	ee) (5 ECT	S cred	its)						
03-TR-072-m01	Toxicol	ogy and	l legal stu	ıdies							
		3	Duration		1 semester	Method of grading	numerical grade		Modul level	undergraduate	
	Courses			V + V	(no information on	SWS (weekly contac	t hours) and course la	anguage av	ailable)	-	
	Method of assessment			writte	n examination (ap	prox. 90 minutes)					

08-VPM-DA-132-	Advanc	ed cher	nical prac	tical c	ourse				
mo1	ECTS	2	Duration	n	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate
	Course	S		P (no	information on SWS	(weekly contact hou	irs) and course language ava	ilable)	
	Method	l of ass	essment		n report (approx. 3 lage of assessment				
Compulsory Elective Students must cho						s 2 with 25 ECTS cred	its).		
Inorganic Chemist	ry (25 EC	TS cred	its)						
Compulsory Course	es (20 EC	TS cred	lits)						
08-ACM1-141-m01	Advanc	ed Inor	ganic Che	emistry	1				
	ECTS	10	Duration	1	2 semester	Method of grading	numerical grade	Modul level	graduate
	Course	S		S + S	(no information on	SWS (weekly contact	hours) and course language	available)	
	Method of assessment a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment p se. Language of assessment: German, English							utes) or d) log (approx. 20 pages)	
08-ACPM-132-m01	Inorgar	nic Cher	mistry pra	ctical	course for advance	d			
	ECTS	10	Duration	n	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate
	Course	S		P (no	information on SWS	(weekly contact hou	irs) and course language ava	ilable)	
	Method	l of asso	essment			port (approx. 20 page : German or English	es) and talk (approx. 15 minu	tes)	
	Additio	nal Info	rmation	Addit	ional information or	n module duration: bl	ock placement with a duration	on of a minimum	of 40 working days.
Compulsory Elective	/es								
08-ACM2-141-m01	Bioano	rganic (Chemistry						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate
	Course						ırs) and course language ava		
				c) ora or e) p se.	l examination in gro	oups (groups of 2: ap x. 30 minutes). Stude	prox. 30 minutes, groups of 3	3: approx. 40 mini	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-

08-ACM3-141-m01	Solid s	tate che	mistry ar	nd inor	ganic materials			,					
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (no	information on SWS	(weekly contact hou	rs) and course language availa	ıble)					
	Method	d of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
08-HKM2-141-m01	Advanc	Advanced organometallic chemistry and its application in homogeneous catalysis											
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (no	information on SWS	(weekly contact hou	rs) and course language availa	ıble)					
	Method of assessment			c) ora or e) p se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								
08-TCM2-141-m01	Computational Chemistry												
	ECTS	CCTS 5 Duratio			1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S+Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or all examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to t se. Language of assessment: German, English					ites) or d) log (approx. 20 pages)				
08-OCM-	Advanc	ed NMR	R- and Ma	ss Spe	ctrometry								
NMRMS-141-mo1	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	ıble)					
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									

Organic Chemistry	(25 ECT:	S credits	5)								
Compulsory Course	es (15 EC	TS credi	its)								
08-0CM-SYNT-141-	Moderi	Synthe	etic Meth	ods	ds						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of asse	essment	c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						
08-OCM-	Advanc	ed NMR	- and Ma	ss Spe	ectrometry						
NMRMS-141-mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	•	P (no	information on SWS	(weekly contact hou	urs) and course language availa	ble)			
as OCM AVD. 100	Advant Daniel D			or e) se. Langu	Language of assessment: German, English						
08-UCM-AKP1-122-	Advanced Research Pro				T	Mathada Faradina	(n at) a	Modul level	Laws durate		
11101	ECTS 5 Duratio			,	n 1 semester Method of grading (not) successfully completed Modul level graduate P (no information on SWS (weekly contact hours) and course language available)				graduate		
	Courses										
	Method of assessment			talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English							
Compulsory Electiv	es										
08-OCM-NAT-141-	Moderi	1 Aspect	s of Natu	ıral Pro	duct Chemistry and	Biological Chemist	ry				
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (no	information on SWS	(weekly contact ho	urs) and course language availa	ble)			
	Method	d of asse	essment	c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						
	Participants and allo- cation of places			Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.							

08-OCM-FM-141-	Organi	c Functi	onal Mate	erials							
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	:S	•	S (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method	d of asso	essment	c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						
08-HKM1-141-m01	Organo- and Biocatalysis										
•	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			S (no	information on SWS	(weekly contact hours) and course language availa	able)	1-5			
				c) ora or e) se. Langu	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. anguage of assessment: German, English						
08-SCM1-102-m01	Suprar	nolecula	ar Chemis	try (Ba							
	ECTS	5	Duration	<u> </u>	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Metho	d of asso	essment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English						
08-SCM3-141-m01	Bioorganic Chemistry										
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	:S		S (no	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						
08-TCM2-141-m01	Compu	tational	l Chemist	ry							
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	·S	•	S + Ü	(no information on S	SWS (weekly contact hours) and course language a	vailable)	-			
	Method of assessment			c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English						

08-PH-KACP-092-	Clinical and A	Analytical (hemis	try (practical course	e)					
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses					rs) and course language avail				
	Method of as	sessment	exam	ination talks (Testat	e, approx. 15 minute	s each), log (approx. 5 to 10 pa	iges)			
Physical Chemistry	/ (25 ECTS cred	dits)								
Compulsory Course	es (20 ECTS cro	edits)								
08-PCM1a-132-	Laser Spectro	oscopy								
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)			
	Method of as	sessment		written examination (90 minutes) or oral examination (20 minutes)						
			Language of assessment: German or English							
08-PCM1b-132- mo1	Advanced Ph	<u> </u>	<u>·</u>	<u> </u>				1		
11101	ECTS 5	Duratio		1 semester		(not) successfully completed		graduate		
	Courses					rs) and course language avail				
	Method of as	sessment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English						
	Additional In	formation				ock placement with a duration	of a minimum (of 20 working days		
08-PCM2-102-m01			riadic		- Inoduce durations of	to explacement with a duration		20 110111111111111111111111111111111111		
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		S + Ü	(no information on S	SWS (weekly contact	hours) and course language a	vailable)			
	Method of as	ethod of assessment written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minute						r talk (30 minutes)		
o BCM (51 1 51		Language of assessment: German or English							
08-PCM6-132-m01	Physical Che			· ·	TAA (1 1 C 1'			1		
	ECTS 5	Duratio		1 semester		(not) successfully completed		graduate		
	Courses				· · · · · · · · · · · · · · · · · · ·	rs) and course language avail	able)			
	Method of as	sessment		ntation (approx. 20 lage of assessment:						
	Modules suc	cessfully	08-PC							
	completed									
	Additional In	formation	Addit	onal information or	n module duration: bl	ock placement with a duratior	n of a minimum (of 20 working days.		
Compulsory Elective	res es									
08-PCM3-102-m01	Nanoscale M	aterials								
	ECTS 5	Duratio		1 semester	Method of grading	l .	Modul level	graduate		
	Courses					hours) and course language a	-			
	Method of as	sessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English						
			Langl	iage of assessment:	German or English					

08-PCM4-141-m01	Ultrafa	st spec	troscopy a	and qu	antumcontrol							
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		S + Ü	(no information o	n SWS (weekly contac	hours) and course lan	guage available)				
	Method	l of ass	essment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (approx. 30 minutes)							
				Langu	Language of assessment: German, English Prior successful completion of modules o8-PCM1a and o8-PCM1b is highly recommended.							
	other p	rerequi	sites	Prior								
o8-PCM5-141-mo1		al chem	istry of su	ıpram	olecular assembli	es						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		S + Ü	(no information o	n SWS (weekly contact	thours) and course lan	guage available)				
	Method	d of ass	essment			oprox. 90 minutes) or o	oral examination of one	e candidate each (approx	x. 20 minutes) or talk (approx. 30			
				minut		nt. Corman English						
00 TCM4 4/4 mo4	Theoret	tical Ch	omistm. (<u>_</u>	anguage of assessment: German, English							
08-TCM1-141-m01			emistry (I		1	Mathada faradina	Lucius ani a al anna da	Madulland	Laws durate			
	ECTS 5 Duratio				1 semester Method of grading numerical grade Modul level graduate S + Ü (no information on SWS (weekly contact hours) and course language available)							
Ļ	Courses				<u>`</u>				each (approx. 20 to 30 minutes) or			
				c) ora or e) se.	c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							
08-TCM2-141-m01												
	ECTS	5	Duration	1 semester Method of grading numerical grade				Modul level	graduate			
	Courses	S		S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								
08-TCM3-102-m01	Program		in Theore			nt. derman, English		<u> </u>				
00 Tem 3 102 mor		5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				I .		t hours) and course lan		10			
				completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English								

08-TCAP1-132-m01	Theoretical Ch	emistry -	Projec	t course wave-packe	et dynamics						
	ECTS 5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language avail	able)				
	Method of asse	essment		ntation (approx. 30 i							
				age of assessment:							
o TCAR					module duration: 4	weeks.					
08-TCAP2-132-m01				t coursewave functio			1				
	ECTS 5	Duration		1 semester		(not) successfully completed		graduate			
	Courses		•		· /	rs) and course language avail	able)				
	Method of asse	essment		ntation (approx. 30 i lage of assessment:							
	Additional Info	rmation	nation Additional information on module duration: 4 weeks.								
08-TCAP3-132-m01	Theoretical Ch	emistry -	Projec	t course Computatio	nal Photochemistry						
	ECTS 5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language avail	able)				
	Method of asse	essment		oresentation (approx. 30 minutes) .anguage of assessment: German or English							
	Additional Info	rmation	Additional information on module duration: 4 weeks.								
08-FS1-141-m01	Material Science	iences 1 (Principles)									
	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 a	vailable)				
	Method of asse	essment	c) ora or e) p se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 min) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the e. anguage of assessment: German, English							
08-FMM-MP-102-	Lab Course Ma	terials Sc	ience								
mo1	ECTS 5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no information on SWS (weekly contact hours) and course language available)								
	Method of asse	Nethod of assessment Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English									

Biochemistry (25 E	CTS cred	its)											
Compulsory Course	es (15 EC	TS cred	its)										
08-BC-MOLM-141-	Molecu	lar Biol	ogy										
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses				/ + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	of asse	essment	(approx. sessn	ox. 20 minutes) or d	oral examination in esentation (approx. street) or a secondariant (approx. street) or a secondariant contract of the secondariant co	groups of up to 3 candidates	s (groups of 2: ap	mination of one candidate each prox. 30 minutes, groups of 3: apthe method and length of the as-				
o8-BC-MOLP-141-	Molecular Biology Lab												
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5		Ü (no	(no information on SWS (weekly contact hours) and course language available)								
				prox. sessn Asses Langu	40 minutes) or e) pronent prior to the counts sment offered: once tage of assessment:	esentation (approx. g rse. e a year, winter seme German, English	30 minutes). Students will be	s (groups of 2: ap e informed about t	prox. 30 minutes, groups of 3: ap- the method and length of the as-				
	Particip cation c			Biochemistry Bachelor's: 24 places. Chemistry Master's: 6 places.									
Compulsory Electiv	es												
Specialist Lab Cour	se (10 E0	CTS cre	dits)										
08-BC-VPMM-141-	Practica	al cours	e Molecu	lar Ma	chines for advanced	students							
mo1	ECTS	10	Duration	i .	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		P (no	information on SWS	(weekly contact hou	rs) and course language ava	ilable)					
			essment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English									
	Modules successfully completed			o8-BC-MOLP									
	Addition	nal Info	rmation	Additi	ional information on	module duration: bl	ock placement with a duration	on of a minimum o	of 40 working days.				

ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate	08-BC-VPPD-141-	Practica	al cours	e Protein	Degra	dation in Eukaryot	es for advanced stude	ents	,					
Method of assessment lag (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English Modules successfully completed Additional Information on module duration: block placement with a duration of a minimum of 40 working days. O8-BC-VPRB-141- mo1 Practical course RNA Biochemistry for advanced students ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate Courses P (no information on SWS (weekly contact hours) and course language available) Method of assessment log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English Modules successfully completed Additional information on module duration: block placement with a duration of a minimum of 40 working days. O8-BC-VPSB-141- mo1 Practical course Structural Biology for advanced students ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate Courses P (no information on SWS (weekly contact hours) and course language available) Method of assessment log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English Modules successfully o8-BC-MOLP Courses P (no information on module duration: block placement with a duration of a minimum of 40 working days. Other Courses O8-MCM3-132-mo1 Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S+0 (no information on SWS (weekly contact hours) and course language available) Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S+0 (no information on SWS (weekly contact hours) and course language available) Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S+0 (no information on SWS (weekly contact hours) and course language available) Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S+0 (no information on S	mo1	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
Module		Courses	5		P (no	information on SW	Տ (weekly contact hoւ	ırs) and course language	available)					
Modus Mod		Method	of asse	essment				nutes)						
Complete Additional information on module duration: block placement with a duration of a minimum of 40 working days. OSBC-VPRB-141-T Practic Towns							: German, English			_				
O8-BC-VPRB-141-mo1 Practical course RNA Biochemistry for advanced students		complet	ted											
Part		Addition	nal Info	rmation	Additi	onal information o	n module duration: b	lock placement with a du	ration of a minimum o	of 40 working days.				
Processing the process of the proc	•		al cours	e RNA Bio	ochemi									
Method of assessment log (approx. 2o pages) and talk (approx. 15 minutes) Language of assessment: German, English	mo1	ECTS	10	Duration						graduate				
Language of assessment: German, English					·				available)					
Completed Additivation Additiv		Method	of asse	essment				nutes)						
O8-BC-VPSB-141- m01 FCTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate Courses P (no information on SWS (weekly contact hours) and course language available) Method of assessment log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English Modules successfully completed Additional Information Additional information on module duration: block placement with a duration of a minimum of 40 working days. Other Courses O8-MCM3-132-m01 ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment: German or English				essfully	o8-BC	-MOLP								
ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate		Addition	nal Info	rmation	Additi	tional information on module duration: block placement with a duration of a minimum of 40 working days.								
Courses	08-BC-VPSB-141-	Practica	al cours	se Structu	ral Bio									
Method of assessment log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German, English Modules successfully completed Additional Information Additional information on module duration: block placement with a duration of a minimum of 40 working days. Other Courses 08-MCM3-132-m01 Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Gourses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment Dresentation with discussion (approx. 30 minutes) Language of assessment: German or English	mo1	ECTS 10 Duratio			า	1 semester	Method of grading	numerical grade	Modul level	graduate				
Language of assessment: German, English Modules successfully completed O8-BC-MOLP Additional Information Additional information on module duration: block placement with a duration of a minimum of 40 working days. Other Courses Principles of drug design					P (no	information on SW	S (weekly contact hou	irs) and course language	available)					
Completed Additional Information Additional information on module duration: block placement with a duration of a minimum of 40 working days. Other Courses 08-MCM3-132-m01 ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English		Method of assessment			log (a Langu	pprox. 20 pages) a lage of assessment	nd talk (approx. 15 mi :: German, English	nutes)						
Other Courses 08-MCM3-132-mo1 Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English				essfully	o8-BC	8-BC-MOLP								
08-MCM3-132-mo1 Principles of drug design ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English		Addition	nal Info	rmation	Additional information on module duration: block placement with a duration of a minimum of 40 working days.									
ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English	Other Courses													
ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English	08-MCM3-132-m01	Principl	es of d	rug desig	n									
Courses S + Ü (no information on SWS (weekly contact hours) and course language available) Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English						1 semester	Method of grading	numerical grade	Modul level	graduate				
Language of assessment: German or English					S + Ü	(no information on	SWS (weekly contact	hours) and course langu	age available)	1-2				
08-ACM2-141-m01 Bioanorganic Chemistry		Method	of asse	essment				utes)						
	08-ACM2-141-m01	Bioanor	ganic (Chemistry	,	-	-		,					
ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate	·	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
					S (no information on SWS (weekly contact hours) and course language available)									
c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20		Method of assessment			c) ora or e) p se.									
Mactar's with 4 major Chamistry (2014)					Lungu		Jerman, Engusii							

08-OCM-NAT-141-	Moderr	n Aspec	ts of Natu	ral Pro	duct Chemistry an	d Biological Chemist	······································							
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	S		S (no	information on SW	S (weekly contact hou	ırs) and course language availa	ıble)						
	Method	l of ass	sessment	c) ora or e) se.) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the couree. anguage of assessment: German, English									
	Particip cation o	of place	es		nemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.									
08-HKM1-141-m01)- and B	Biocatalys											
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	S		S (no	information on SW	S (weekly contact hou	ırs) and course language availa	ıble)						
	Method	l of ass	sessment	c) ora or e) se.) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or all examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 per e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the e. In anguage of assessment: German, English									
08-PH-KAC-092-	Clinical	Clinical and Analytical Chemistry												
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	S		V (no	information on SW	S (weekly contact hou	ırs) and course language availa	ıble)						
	Method	d of ass	essment	writte	written examination (120 minutes)									
08-PH-KACP-092-	Clinical	l and A	nalytical (hemis	try (practical cours	se)								
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Courses	S		P (no	information on SW	S (weekly contact hou	ırs) and course language availa	ıble)						
	Method	of ass	essment	exam	ination talks (Testa	te, approx. 15 minute	s each), log (approx. 5 to 10 pag	ges)						
Functional Materia	ls (25 EC	TS cred	dits)											
Compulsory Course	es (20 EC	TS cre	dits)											
08-FMM-MP-102-	Lab Cor	urse Ma	aterials So	ience										
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate					
	Courses			P (no	P (no information on SWS (weekly contact hours) and course language available)									
				Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical performance, log (5 to 10 pages) Language of assessment: German or English										

08-FMM-PA-102-	Project	Work										
mo1	ECTS	5	Duration	า	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses	S		P (no	information on SWS	(weekly contact hours) and course language avail	able)					
	Method	d of ass	essment		approx. 15 minutes) approx. 15 minutes)	and log (approx. 15 pages) German or English						
08-OCM-FM-141-	Organic	c Functi	onal Mate	erials								
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (no	information on SWS (weekly contact hours) and course language available)							
	Method of assessment			c) ora or e) se.	itten examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 al examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior t uage of assessment: German, English							
08-FS1-141-m01	Materia	al Scien	ces 1 (Pri	nciple	s)							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	S		V + Ü	(no information on S	SWS (weekly contact hours) and course language a	vailable)					
Compulsory Electiv		. 01 433		c) ora or e) se.	l examination in gro	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-						
08-FS2-141-m01	Materia	al Scien	ces 2 (Ma	terial	s)							
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	S		V + Ü	(no information on S	SWS (weekly contact hours) and course language a	vailable)					
	Method	A) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 p or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the se. Language of assessment: German, English										
08-NTM-141-m01	Chemic	ally and	d bio-insp	ired N	anotechnology for N	Material Synthesis						
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Courses	S		V + V (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course.								

08-PCM3-102-m01	Nanoso	ale Ma	terials								
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S + Ü	(no information on :	SWS (weekly contact hours) and course language av	/ailable)				
	Method	d of ass	essment		n examination (90 r	ninutes) or oral examination of one candidate each : German or English	(20 minutes) or	talk (30 minutes)			
08-SCM1-102-m01	Supran	nolecula	ar Chemis	try (Ba	sics)						
	ECTS	5	Duration	1	1 semester Method of grading numerical grade Modul level graduate						
	Courses			S (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method of assessment				en examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) guage of assessment: German or English						
08-TCM2-141-m01	Compu	tationa	l Chemist	ry							
	ECTS 5				1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S + Ü	(no information on :	SWS (weekly contact hours) and course language av	vailable)				
	Method of assessment			c) ora or e) ¡ se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the coule. anguage of assessment: German, English						
o8-FMM-CT-141-	Molecu	ılar Mat	erials (Le	cture)							
mo1	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V + Ü	(no information on :	SWS (weekly contact hours) and course language av	vailable)				
	Method	d of ass	essment	prese	ntation (approx. 30	minutes) and examination					
o8-ACM3-141-mo1	Solid s	tate che	emistry ar	nd inor	ganic materials						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S (no	information on SWS	6 (weekly contact hours) and course language availa	able)				
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English							

03-FU-PM1-141-	Polyme	Polymer Chemistry											
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	5			This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-FU-PM1-1-141: V (no information on SWS (weekly contact hours) and course language available) o3-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment				essments in the individual moc e module will require successfu						
				Asses	3 ECTS, Method of a) written examina minutes) or c) oral log (approx. 20 pag of assessment pric sment in module co 2 ECTS, Method of Vortestate (pre-exp Assessment offere	grading: numerical g tion (approx. 90 to 1 examination in grou ges) or e) presentation or to the course. omponent o3-FU-PM1 grading: (not) success periment exams, app d: once a year, summ	80 minutes) or b) oral examinates (groups of 2: approx. 30 minutes). Student (approx. 30 minutes). Student (Praesfully completed grox. 15 minutes each) and logs	ation of one can inutes, groups on nts will be inform actical course) (approx. 5 page	ndidate each (approx. 20 to 30 of 3: approx. 40 minutes) or d) med about the type and length s each)				
03-PM2-122-m01	Polyme	rs II	1										
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)					
	Method	d of ass	essment		ten examination (apage of assessment:		r b) oral examination of one car	ndidate each (2	o minutes) or c) talk (30 minutes)				
Homogeneous Cata	alysis (2	5 ECTS	credits)										
Compulsory Course	es (20 EC	TS cred	lits)										
08-HKM1-141-m01	Organo	- and B	iocatalys	is									
	ECTS 5 Duration 1 semester Method of grading numerical grade					numerical grade	Modul level	graduate					
	Courses			S (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									

08-HKM2-141-m01	Advanc	ed org	anometall	ic che	mistry and its ap	plication in ho	omogeneous catalysis						
	ECTS	5	Duration	1	1 semester	Method o	of grading numerical g	rade	Modul level	graduate			
	Course	S		S (no	information on S	SWS (weekly c	ontact hours) and cour	se language availa	ıble)				
	Method	l of ass	essment	c) ora or e) p se.	l examination in	groups (group prox. 30 minu	os of 2: approx. 30 minutes). Students will be in	utes, groups of 3: a	approx. 40 mini	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-			
o8-HKM3AC-132-	Practic	al cour	se Homog	geneous catalysis in Inorganic Chemistry									
mo1	ECTS	5	Duration		1 semester		of grading (not) succes	ssfully completed	Modul level	graduate			
	Course	:S		P (no	information on S	SWS (weekly co	ontact hours) and cours	se language availa	ble)				
	Method	ethod of assessment practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English											
	Additio	onal Information Additional information on module duration: block placement with a duration of a minimum of 20 working days.											
08-HKM30C-132-	Practic	al cour	rse Homogeneous catalysis in Organic Chemistry										
mo1	ECTS 5 Duration			1	1 semester	Method o	of grading (not) succes	ssfully completed	Modul level	graduate			
	Course	S	·	P (no	information on S	SWS (weekly co	ontact hours) and cours	se language availa	ble)				
	Method	d of ass	essment		oractical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English								
	Additio	nal Info	ormation	Additional information on module duration: block placement with a duration of a minimum of 20 working days.						of 20 working days.			
Compulsory Electiv	es												
08-HKM4-141-m01	Advanc	ed trar	sition me	tal che	emistry								
	ECTS	5	Duration	n	1 semester	Method o	of grading numerical g	rade	Modul level	graduate			
	Course	S		S (no	information on S	SWS (weekly c	ontact hours) and cour	se language availa	ıble)				
	Method	l of ass	essment	c) ora or e) ¡ se.	l examination in	groups (group prox. 30 minu	os of 2: approx. 30 minutes). Students will be in	utes, groups of 3: a	approx. 40 mini	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) h of assessment prior to the cour-			
08-PCM2-102-m01	Chemic	cal Dyn											
	ECTS	5	Duration	 1	1 semester	Method o	of grading numerical g	grade	Modul level	graduate			
	Course				(no information		ly contact hours) and c			15			
	Method	d of ass	essment	ment written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English						r talk (30 minutes)			

08-0CM-SYNT-141-	Modern	n Synth	etic Meth	ods								
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S + Ü	(no information on	SWS (weekly contact hours) and course lang	guage available)					
	Method	l of ass		c) ora or e) p se.	Language of assessment: German, English							
08-TCM2-141-m01	Compu	tationa	l Chemist	ry								
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S+Ü	(no information on	SWS (weekly contact hours) and course lang	guage available)					
				a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 mi c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to t se. Language of assessment: German, English								
03-FU-PM1-141-	Polymer Chemistry											
mo1	ECTS 5 Duration				1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			 This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-FU-PM1-1-141: V (no information on SWS (weekly contact hours) and course language available) o3-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available) 							
	Method	l of ass	essment			ule comprises the assessments in the individual serial completion of the module will require s						
				Asses	3 ECTS, Method o a) written examin minutes) or c) ora log (approx. 20 pa of assessment pri isment in module of 2 ECTS, Method o Vortestate (pre-example)	component o3-FU-PM1-1-141: Polymer Chemif grading: numerical grade ation (approx. 90 to 180 minutes) or b) oral al examination in groups (groups of 2: approages) or e) presentation (approx. 30 minutes for to the course. component o3-FU-PM1-2-122: Polymer Chemif grading: (not) successfully completed experiment exams, approx. 15 minutes each) a sed: once a year, summer semester ssment: German, English if agreed upon with	examination of one can ox. 30 minutes, groups i). Students will be infor istry (Practical course) and logs (approx. 5 page	of 3: approx. 40 minutes) or d) med about the type and length				

Medicinal Chemistr	y (25 ECTS cre	edits)								
Compulsory Course	s (10 ECTS cre	dits)								
08-MCM1-102-m01	Practical cour	rse medicii	nal che	mistry						
	ECTS 10	Duration	n	1 semester	Method of grading	(not) successfully comple	eted Modul level	graduate		
	Courses		P (no	information on SWS	(weekly contact hou	rs) and course language a	vailable)			
	Method of ass	sessment	perfor		rt (approx. 30 to 50 p		kams) (approx. 20 mi	inutes), assessment of practical		
Compulsory Electiv	es									
o8-MCM2a-141-	Pharmaceutic	cal/Medici	nal Che	emistry 1						
mo1	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	V (no information on SWS (weekly contact hours) and course language available)								
	Method of ass	sessment	c) ora	examination in grou	ips (groups of 2: app	orox. 30 minutes, groups o	of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or ites) or d) log (approx. 20 pages) of assessment prior to the cour-		
o8-MCM2b-141-	Pharmaceutic	cal/Medici	nal Che	mistry 2			'			
mo1	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	'	V (no	information on SWS	(weekly contact hou	rs) and course language a	vailable)			
	Method of ass	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 particles) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the se.								
08-MCM3-132-m01	Principles of	drug desig	n							
	ECTS 5	Duration		1 semester	Method of grading		Modul level	graduate		
	Courses			`	<u> </u>	hours) and course langua	ge available)			
			Langu	age of assessment:	ion (approx. 30 minu German or English	ites)				
08-PH-KAC-092-	Clinical and A			try						
m01	ECTS 5	Duration		1 semester	Method of grading		Modul level	undergraduate		
	Courses		V (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	od of assessment written examination (120 minutes)								
08-PH-KACP-092-	Clinical and A	and Analytical Chemistry (practical course)								
mo1	ECTS 5	Duration	on 1 semester Method of grading (not) successfully completed Modul level undergraduate					undergraduate		
	Courses			P (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	sessment	exami	nation talks (Testate	e, approx. 15 minutes	s each), log (approx. 5 to 1	o pages)			

08-0CM-SYNT-141-	Modern	odern Synthetic Methods											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		S + Ü	(no information o	n SWS (weekly contact	hours) and course lang	guage available)					
				c) ora or e) p se.	written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the cour. In guage of assessment: German, English								
o8-OCM-NAT-141-	Modern	ı Aspeci	ts of Natu	ural Product Chemistry and Biological Chemistry									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		S (no	information on S\	NS (weekly contact ho	urs) and course languag	ge available)					
	Method	l of asse	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior se. Language of assessment: German, English										
	Participants and allo- cation of places			Chem	istry Master's: no	restrictions. Biochemi	stry Master's: 20 places	s. Places will be allocate	ed by lot.				
08-ACM2-141-m01	Bioano	rganic (Chemistry	'									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	S		S (no	information on SN	NS (weekly contact ho	urs) and course languag	ge available)	_				
	Method	l of asse	essment	c) ora or e) ¡ se.	l examination in g presentation (app	groups (groups of 2: ap	prox. 30 minutes, group	os of 3: approx. 40 minu	each (approx. 20 to 30 minutes) or utes) or d) log (approx. 20 pages) n of assessment prior to the cour-				
08-BC-MOLM-141-	Molecu	lar Biol	ogy										
mo1	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	S		V + Ü	(no information o	n SWS (weekly contact	hours) and course lang	guage available)					
	Method of assessment			a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: a prox. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English									

08-BC-VPSB-141-	Practica	al cours	se Structu	ral Bio	logy for advanced s	tudents					
mo1	ECTS	10	Duratio	า	1 semester	Method of grading numeri	cal grade	Modul level	graduate		
	Courses	5		P (no	information on SWS	(weekly contact hours) and	course language availal	ble)			
	Method	l of ass	essment			d talk (approx. 15 minutes)					
					uage of assessment:	German, English					
	Module comple		essfully	o8-B0	C-MOLP						
	Additio	nal Info	rmation	Addit	ional information on	module duration: block place	ement with a duration	of a minimum o	of 40 working days.		
Supramolecular Ch	emistry	(25 EC1	S credits)							
Compulsory Course	es (10 EC	TS cred	lits)								
08-SCM1-102-m01	Supram	olecul	ar Chemis	try (Ba	asics)						
	ECTS	5	Duratio	<u>า</u>	1 semester	Method of grading numeri	cal grade	Modul level	graduate		
	Courses	S		S (no	information on SWS	(weekly contact hours) and	course language availa	ble)			
	Method	od of assessment written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English									
08-SCM2-102-m01	Supram	olecul	ar Chemis	try (Pr	actical Course)						
	ECTS	5	Duration	1	1 semester	Method of grading (not) su	accessfully completed	Modul level	graduate		
	Courses	S		P (no	information on SWS	(weekly contact hours) and	course language availal	ble)			
	Method	l of ass	essment		ractical work, logs (approx. 5 pages each) anguage of assessment: German or English						
Compulsory Elective No less than one of		modul	es o8-SCN	/13 or c	8-PCM5 must be cor	npleted in the focus.					
08-SCM3-141-m01	Bioorga	anic Ch	emistry								
	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading numeri	cal grade	Modul level	graduate		
	Courses	S		S (no	information on SWS	(weekly contact hours) and	course language availa	ble)			
	Method	l of ass	essment	c) ora or e) se.	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 por e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the sec. Language of assessment: German, English						
08-PCM5-141-m01	Physica	al chem	istry of s	ıpram	olecular assemblies						
	ECTS 5 Duration			า	1 semester	Method of grading numeri	cal grade	Modul level	graduate		
	Courses S + Ü (no information on SWS (weekly contact hours) and course language available)										
	Method	of assessment written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) or talk (approx. 30 minutes) Language of assessment: German, English									

08-ACM2-141-m01	Bioanorganic Chemistry												
	ECTS 5 Duration		n 1 semester		Method of grading numerical grade	Modul level	graduate						
	Course	S		S (no	S (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
08-MCM3-132-m01	Principles of drug design												
	ECTS 5 Duratio			5 5 5				graduate					
	Course	S		S + Ü	(no information on	SWS (weekly contact hours) and course lang	uage available)						
	Method	d of ass	essment	presentation with discussion (approx. 30 minutes) Language of assessment: German or English									
08-TCM2-141-m01	Compu	tationa	l Chemist	ry									
	ECTS 5 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S + Ü (no information on SWS (weekly contact hours) and course language available)									
	Method	or ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
o8-OCM-FM-141-	Organic Functional Materials												
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (no information on SWS (weekly contact hours) and course language available)									
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
08-PCM3-102-m01													
	ECTS 5 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course			S + Ü (no information on SWS (weekly contact hours) and course language available)									
			essment	written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English									

Theoretical Chemis	stry (25 E0	CTS cred	dits)									
Compulsory Course	es (10 ECT	'S credit	ts)									
08-TCM1-141-m01	Theoretical Chemistry (Basics)											
	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	of asses	ssment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English								
08-TCM3-102-m01	Programming in Theoretical Chemistry											
	ECTS 5 Duratio			ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	of asses	ssment	completion and discussion of approx. 5 programming exercises as well as talk (approx. 45 minutes) Language of assessment: German or English								
Compulsory Electiv	es											
08-TCAP1-132-m01	Theoretical Chemistry - Project course wave-packet dynamics											
	ECTS 5 Duratio			ı	1 semester	Method of grading	(not) successfully c	ompleted Modul level	graduate			
	Courses			P (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			presentation (approx. 30 minutes) Language of assessment: German or English								
	Addition	al Infor	mation	Additional information on module duration: 4 weeks.								
08-TCAP2-132-m01	Theoretical Chemistry - Project coursewave function based methods											
	ECTS 5 Duratio			1	1 semester	Method of grading	(not) successfully c	ompleted Modul level	graduate			
	Courses			P (no information on SWS (weekly contact hours) and course language available)								
				presentation (approx. 30 minutes) Language of assessment: German or English								
	Addition			Additional information on module duration: 4 weeks.								
08-TCAP3-132-m01				Project course Computational Photochemistry								
	ECTS 5 Duratio				1 semester		(not) successfully c	<u> </u>	graduate			
	Courses					S (weekly contact hou	ırs) and course langu	age available)				
	Method of assessment			presentation (approx. 30 minutes) Language of assessment: German or English								
	Additional Information			Additional information on module duration: 4 weeks.								

08-TCM2-141-m01	Computational Chemistry												
	ECTS 5 Duration			n 1 semester Method of grading numerical grade Mo					Modul le	vel	graduate		
	Course	S		S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes). Students will be informed about the type and length of assessment prior to the course. Language of assessment: German, English									
08-MCM3-132-m01	Principles of drug design												
	ECTS 5 Duration			n 1 semester Method of grading numerical grade Modu				Modul le	vel	graduate			
	Courses			S + Ü	S + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of ass	essment	presentation with discussion (approx. 30 minutes) Language of assessment: German or English									
Key Area 1 (double	degree)	(30 EC1	S credits)									
Key Area 2 (double	degree)	(25 EC	TS credits)									
Courses at partner	universi	ity abro	ad (30 EC	TS cre	dits)								
08-VPU-141-m01	Courses at the partner university												
	ECTS 30 Duratio			n 2 semester Method of grading (not) successfully completed Mod					pleted Modul le	vel	graduate		
	Course	S		V (no	information on S	WS (weekly contact	hours)	and course language	e available)				
	Method	d of ass	essment	assessment or successful completion as certified by the lecturer; methods of assessment: a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 to 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes); students will be informed about the method and length of the assessment prior to the course Language of assessment: German or English									
	other p	rerequi	sites	Please consult with course advisory service.									
Thesis (30 ECTS cre	edits)												
08-MA-132-m01	Master	-Thesis											
	ECTS 30 Duratio			1	1 semester	Method of grad	ing nu	ımerical grade	Modul le	vel	graduate		
	Courses			no courses assigned									
	Method of assessment			written thesis (approx. 60 to 80 pages) Language of assessment: German or English									
	other p	rerequi		Where applicable, specific modules as specified by supervisor.									
	Additional Information			Addit	Additional information on module duration: 6 months.								