



## **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: 2013
Abbreviations used:	Course types: <b>E</b> = field trip, <b>K</b> = colloquium, <b>O</b> = conversatorium, <b>P</b> = pla = lecture	cement/lab course, <b>R</b> = project, <b>S</b> = seminar, <b>T</b> = tutorial, <b>Ü</b> = exercise, <b>V</b>
	Term: <b>SS</b> = summer semester, <b>WS</b> = winter semester	
	Methods of grading: <b>NUM</b> = numerical grade, <b>B/NB</b> = (not) successfully	completed
	Regulations: <b>(L)ASPO</b> = general academic and examination regulations ( = list of modules	for teaching-degree programmes), <b>FSB</b> = subject-specific provisions, <b>SFB</b>
	Other: <b>A</b> = thesis, <b>LV</b> = course(s), <b>PL</b> = assessment(s), <b>TN</b> = participants	<b>VL</b> = prerequisite(s)
Conventions for the modules in this SFB:	Unless otherwise stated, courses and assessments will be held in Germa ditable for bonus.	an, assessments will be offered every semester and modules are not cre-
Information on assessment procedures:	Should there be the option to choose between several methods of asses thod of assessment to be used in the current semester by two weeks aft customary manner.	
	Should a module comprise more than one graded assessment, all asses	sments will be equally weighted, unless otherwise stated below.
	Should the assessment comprise several individual assessments, succe individual assessments.	ssful completion of the module will require successful completion of all

#### 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)):

### 29-Jul-2013 (2013-83)

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	ecified in the form X	(y) with course type X	abbreviated as specified abov	ve and number of we	ekly contact hours y					
	Method of as	ssessme	ent										
	Only after su completion of		Il if applica	if applicable									
	Other prereq	uisites	if applica	if applicable									
	Participants on of places		ocati- if applica	if applicable									
	Additional in	formati	on if applica	if applicable									
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)							

<b>Compulsory Electiv</b>	es (90 E	CTS cre	edits)								
Compulsory Elective Students must choo	es Focus	ses (75	ECTS cred	l <b>its)</b>	credits each						
Inorganic Chemistr				LCIJ							
Compulsory Course	-		-	• •							
08-ACM1-132-m01			Ť				· · · ·				
		10	Duratio		2 semester	Method of grading		Modul level	graduate		
	Courses				<u>`</u>		hours) and course language	,			
	Method	l of ass	sessment	or b)	1 to 2 written examinations (1 written examination: approx. 120 minutes; 2 written examinations: approx. 90 minutes each) b) oral examination of one candidate each (30 minutes) or c) oral examination in groups (groups of 2, 45 minutes) anguage of assessment: German or English						
08-ACPM-132-m01	Inorgar	nic Che	mistry pra	ctical	course for advanced	l					
ĺ	ECTS	10	Duratio	า	1 semester	Method of grading	(not) successfully complete	ed Modul level	graduate		
	Courses	s		P (no	information on SWS	(weekly contact hou	irs) and course language ava	ilable)			
	Method	l of ass	sessment		practical work with lab report (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Additio	nal Info	ormation	Addit	ional information on	module duration: bl	lock placement with a durati	on of a minimum	of 40 working days.		
<b>Compulsory Electiv</b>	es (5 EC	TS crea	lits)								
08-ACM2-102-m01	Bioinor	ganic (	Chemistry								
ĺ	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	s		S (no	information on SWS	(weekly contact hou	irs) and course language ava	ailable)			
	Method	l of ass	sessment	natio the m ning o	n in groups (groups (	of 2, 30 minutes). Sh ill choose the metho	ould there be the option to a	choose between s	ach (20 minutes) or c) oral exami- several methods of assessment, e current semester at the begin-		
08-ACM3-102-m01	Solid st	tate ch	emistry aı	nd inor	ganic materials						
	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		S (no	information on SWS	(weekly contact hou	irs) and course language ava	ailable)			
	Method	l of ass	sessment	natio the m ning o	n in groups (groups (	of 2, 30 minutes). Sh ill choose the metho	ould there be the option to o	choose between s	ach (20 minutes) or c) oral exami- several methods of assessment, e current semester at the begin-		

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08-HKM2-102-m01	Advan	ced orga	anometall	ic cher	nistry and its applic	ation in homogeneous catalysis							
	ECTS	5	Duration	1	1 semester	Method of grading numerical g	rade	Modul level	graduate				
	Course	S		S (no	information on SWS	(weekly contact hours) and cours	se language availal	ble)					
	Metho	d of ass	essment	nation the m ning c	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, he module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. .anguage of assessment: German or English								
Organic Chemistry	(25 ECT	S credit	s)										
Compulsory Course	es (15 EC	TS cred	lits)										
08-0CM-	Advan	ced NMI	R- and Ma	ss Spe	ctrometry								
NMRMS-102-m01	ECTS	5	Duration	1	1 semester	Method of grading numerical g	rade	Modul level	graduate				
	Course	S				(weekly contact hours) and cours	<u> </u>	,					
	Metho	Method of assessment a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes) Language of assessment: German or English											
08-0CM-SYNT-132-	Moder	n Synth	etic Meth	ods									
m01	ECTS	5	Duration	1	1 semester	Method of grading numerical g	rade	Modul level	graduate				
	Course	S		S + Ü	(no information on S	WS (weekly contact hours) and c	ourse language av	ailable)					
	Metho	d of ass	essment	or b) o minut	oral examination of c	ons (1 written examination: appro ne candidate each (approx. 20 m German or English							
		orerequi		Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).									
		ced Res	earch Pro										
m01	ECTS	5	Duration		1 semester	Method of grading (not) succes	/ 1	Modul level	graduate				
	Course	_				(weekly contact hours) and cours	se language availal	ole)					
	Metho	nod of assessment talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English											

<b>Compulsory Electiv</b>	es (10 ECTS cre	edits)										
08-0CM-NAT-102-	Modern Aspe	ts of Natu	ral Pro	ral Product Chemistry and Biological Chemistry								
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses		S (no	information on SW	6 (weekly contact hours) and cours	e language availa	ble)					
	Method of ass	sessment	natio the m ning o	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
	Participants a cation of place		Chem	istry Master's: no r	estrictions. Biochemistry Master's:	20 places. Places	will be allocate	ed by lot.				
08-0CM-FM-102-	Organic Funct	ional Mat	erials									
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses		S (no	information on SW	6 (weekly contact hours) and cours	e language availa	ble)					
	Method of ass	sessment	natio the m ning o	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
08-HKM1-102-m01	Organo- and E	Biocatalys	is									
	ECTS 5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses		S (no	information on SW	S (weekly contact hours) and cours	e language availa	ble)					
	Method of ass	sessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessmethe module coordinator will choose the method to be used for the module component in the current semester at the be ning of the course. Language of assessment: German or English									
08-SCM1-102-m01	Supramolecul	ar Chemis	try (Ba	asics)								
	ECTS 5	Duratio		1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses		S (no	information on SW	S (weekly contact hours) and cours	e language availa	ble)					
	Method of ass	sessment		written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English								
08-SCM3-102-m01	<b>Bioorganic Ch</b>	emistry										
	ECTS 5	Duratio	n	1 semester	Method of grading numerical gr	ade	Modul level	graduate				
	Courses		S (no	information on SW	S (weekly contact hours) and cours		ble)					
			a) 1 to natio the m ning o	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
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08-TCM2-132-m01	Computat	ional Chemi	mistry										
	ECTS 5	Durati	on	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	available)							
	Method o	fassessmen		n examination (app									
			Language of assessment: German or English										
	other prer	equisites			assessment: successful completion of exercises								
			sence		uccessfully completed) as well as regular attendar	ice of exercises (	a maximum of 2 incidents of ab-						
Physical Chemistry	(25 ECTS (	credits)											
Compulsory Course	s (10 ECTS	credits)											
08-PCM1a-132-	Laser Spe	Laser Spectroscopy											
m01	ECTS 5	Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses		S + Ü	(no information on S	SWS (weekly contact hours) and course language	available)							
	Method o	fassessmen			ninutes) or oral examination (20 minutes)								
	Language of assessment: German or English												
08-PCM1b-132-		Physical Ch		, , , , , , , , , , , , , , , , , , ,									
m01	ECTS 5	Durati		1 semester	Method of grading (not) successfully completed		graduate						
	Courses				6 (weekly contact hours) and course language avai								
	Method o	fassessmen		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 15 minutes) and log Language of assessment: German or English									
	Additiona	l Information	Addit	ional information or	n module duration: block placement with a duratio	n of a minimum o	of 20 working days.						
<b>Compulsory Electiv</b>	es (15 ECTS	6 credits)											
08-PCM4-132-m01	Ultrafast	spectroscopy	and qu	antum-control									
	ECTS 5	Durati	on	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	available)							
	Method o	fassessmen		tten examination (9 lage of assessment:	o minutes) or b) oral examination of one candidate German or English	e each (20 minut	es) or c) talk (30 minutes)						
	Modules s	successfully d	08-P0	M1a, 08-PCM1b									
08-PCM2-102-m01	Chemical	Dynamics											
	ECTS 5	Durati	on	1 semester	Method of grading numerical grade	Modul level	graduate						
	Courses		S + Ü	(no information on S	SWS (weekly contact hours) and course language	available)							
	Method o	fassessmen		n examination (90 r lage of assessment:	ninutes) or oral examination of one candidate eac : German or English	h (20 minutes) or	talk (30 minutes)						

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08-PCM3-102-m01	Nanosc	ale Mat	terials										
	ECTS	5	Duratio	n	1 semester	Method of gradin	g numerical gra	ade	Modul level	graduate			
	Courses	S		S + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	l of ass	essment			oo minutes) or oral exa ent: German or English		candidate each (	(20 minutes) o	r talk (30 minutes)			
08-PCM5-102-m01	Physica	al chem	istry of s	upram	olecular assembl	ies							
	ECTS	5	Duratio	n	1 semester	Method of gradin	g numerical gra	ade	Modul level	graduate			
	Courses	5		S + Ü	(no information of	on SWS (weekly conta	ct hours) and co	urse language av	ailable)				
	Method	l of ass	essment			oo minutes) and/or ora ent: German or English		f one candidate e	each (20 minut	es) and/or talk (30 minutes)			
08-TCM2-132-m01	Computational Chemistry												
	ECTS	5	Duratio	n	1 semester	Method of gradin	g numerical gra	ade	Modul level	graduate			
	Courses	S		S + Ü	(no information of	on SWS (weekly conta	ct hours) and co	urse language av	ailable)				
	Method	l of ass	essment			pprox. 90 minutes) ent: German or English	1						
	other p	rerequi	sites		o 15 hours to b					classes (usually 70% of exercises a maximum of 2 incidents of ab-			
08-TCM1-132-m01	Theoret	Theoretical Chemistry (Basics)											
	ECTS	5	Duratio	n	1 semester	Method of gradin	g numerical gra	ade	Modul level	graduate			
	Courses	S	_	S + Ü	(no information of	on SWS (weekly conta	ct hours) and co	urse language av	ailable)				
	Method	l of ass	essment	written examination (approx. 90 minutes) Language of assessment: German or English									
	other p	rerequi	sites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercise 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).									
08-PCM6-132-m01	Physica	al Chem	istry (Adv	vanced	Lab)								
	ECTS	5	Duratio	n	1 semester	Method of gradin	g (not) success	fully completed	Modul level	graduate			
	Courses	S		P (no	information on S	WS (weekly contact he	ours) and course	e language availal	ble)				
	Method	l of ass	essment		presentation (approx. 20 minutes) Language of assessment: German or English								
	Module		essfully	08-PCM1									
	comple	ted											

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Biochemistry (25 B	ECTS crea	lits)										
<b>Compulsory Cours</b>	es (15 EC	TS cred	lits)									
08-BC-MOLP-111-	Molecu	ılar Biol	logy Lab									
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			Ü (no	information on SWS	i (weekly contact hoι	rs) and course languag	ge available)				
	Methoo	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: ap- prox. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the as- sessment prior to the course. Assessment offered: once a year, winter semester Language of assessment: German or English							
	Module comple		essfully	08-BC	o8-BC (module component o8-BC-1 only)							
	cation	Participants and allo- cation of places			Biochemie (Biochemistry) Bachelor's: 24 places. Chemie (Chemistry) Master's: 6 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed module among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of su ject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available. Selection process Chem (Chemistry) Master's: Should the number of applications exceed the number of available places, places will be allocated cording to the following quotas: Quota 1 (two thirds of places): grade of module o8-BC; among applicants with the same number of subject semesters of the respective applicant; among applicates) number of subject semesters of the respective applicant; among applicates places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places places) number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and places re-allocated by lot. A waiting list will be maintained and pla							
08-BC-MOLM-132-		ılar Biol										
m01	ECTS	5	Duration	-	1 semester	Method of grading	0	Modul level	undergraduate			
	Course	Courses			(no information on S	SWS (weekly contact	hours) and course lang	guage available)				
	Methoo	d of ass	essment	(appro prox. sessm	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							

	es (10 ECTS credits) Biochemistry Lab													
08-BCP-092-m01		-						<u> </u>						
	ECTS 5		Duration		1 semester		grading (not) su				undergraduate			
	Courses			•	information on S	<u> </u>		<u> </u>	<u> </u>					
	Method c	of asse	ssment	to 10	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester									
	Modules complete		ssfully	08-B0										
	Participants and allo- cation of places			a star of pla (20%	Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module o8-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.									
08-ACM2-102-m01	Bioinorga	anic Cl	nemistry											
	ECTS 5		Duratio	า	1 semester	Method of	grading numeri	cal grade	N	Iodul level	graduate			
	Courses			S (no	information on S	WS (weekly co	ntact hours) and	course langu	age available	2)				
08-0CM-NAT-102-	ning of the course.       Language of assessment: German or English         Modern Aspects of Natural Product Chemistry and Biological Chemistry         ECTS       5         Duration       1 semester    Method of grading numerical grade Modul level graduate													
m01	ECTS 5		Duration		1 semester					lodul level	graduate			
	Courses				information on S		-		<u> </u>	-				
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral e nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment the module coordinator will choose the method to be used for the module component in the current semester at the be ning of the course. Language of assessment: German or English						sessment,				
	Participa cation of			Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.										
08-HKM1-102-m01	Organo- a	and Bi	ocatalys	is					A B					
	ECTS 5		Duratio	า	1 semester	Method of	grading numeri	cal grade	N	1odul level	graduate			
	Courses			S (no	information on S	WS (weekly co	ntact hours) and	course langu	age available	e)				
-	Method o	of asse	ssment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English										
						ent: German or			·					

08-PH-KAC-092-	Clinica	and A	nalytical (	hemis	istry						
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (no information on SWS (weekly contact hours) and course language available)							
	Method	l of ass	essment	written examination (120 minutes)							
08-PH-KACP-092-	Clinical and Analytical Chemistry (practical course)										
m01	ECTS 5 Duration		า	1 semester         Method of grading         (not) successfully completed		d Modul level	undergraduate				
	Courses		P (no	no information on SWS (weekly contact hours) and course language available)							
					examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages)						
08-BC-132-m01	<u> </u>		liochemis								
	ECTS	6	Duration		1 semester	Method of grading		Modul level	undergraduate		
	Course	_		•	<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o8-BC-1-132: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-BC-2-132: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
					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.						
				<ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (approx. 60 to 90 minutes)</li> <li>Assessment in module component o8-BC-2-132: Principles of Biochemistry 2 Principles of Biochemistry 2</li> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (approx. 60 to 90 minutes)</li> </ul>							
08-BC-VPMM-132-	Practic	al cours	se Molecu	lar Machines for advanced students							
m01	ECTS 10 Duratio		ı	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 or English								
	Modules successfully completed			08-BC, 08-BCP							
	Additional Information			Additional information on module duration: block placement with a duration of a minimum of 40 working days.							
08-BC-VPPD-132-	Practic	al cours	se Protein	Degra	dation in Eukaryo	tes for advanced stud	ents				
m01	ECTS	10	Duratio	า	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 or English								
	Module comple		essfully	08-B(	C, 08-BCP						
				Δddit	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						

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08-BC-VPRB-132-	Practic	al cour	se RNA Bio	ochem	chemistry for advanced students							
m01	ECTS 10 Duration		า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	s		P (no	P (no information on SWS (weekly contact hours) and course language available)							
	Metho	d of ass	essment	log (approx. 20 pages) and talk (approx. 15 minutes)								
		_		-	age of assessment:	German or English						
	Modules successfully completed			08-B(	08-BC, 08-BCP							
	Additio	onal Info	ormation	Addit	ional information on	n module duration: b	lock placement with a d	luration of a minimum o	of 40 working days.			
08-BC-VPSB-132-	Practic	al cour	se Structu	ral Bio	logy for advanced s	tudents						
m01	ECTS	10	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			P (no	information on SWS	(weekly contact hou	urs) and course languag	e available)	_			
	Method of assessment				pprox. 20 pages) an lage of assessment:	d talk (approx. 15 m German or English	inutes)					
	Modules successfully completed				C, 08-BCP							
	Additio	onal Info	ormation	Addit	ional information on	n module duration: b	lock placement with a d	luration of a minimum o	of 40 working days.			
08-MCM3-132-m01												
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S + Ü	(no information on S	SWS (weekly contact	t hours) and course lang	guage available)				
	Method of assessment			presentation with discussion (approx. 30 minutes) Language of assessment: German or English								
<b>Functional Materia</b>	ls (25 EC	CTS cree	dits)									
Compulsory Course	es (20 E	CTS cre	dits)									
08-0CM-FM-102-	Organi	c Funct	ional Mate	erials								
m01	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 available)								
				nation the m ning c Langu	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-FMM-MP-102-		-	aterials So	ience								
m01	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully com	pleted Modul level	graduate			
	Course						urs) and course languag					
	Metho	d of ass	sessment	manc	state (pre-experimer e, log (5 to 10 pages lage of assessment:	)	estate (post-experimen	t exams) (15 minutes), a	assessment of practical perfor-			

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08-FMM-PA-102-	Project Work										
m01	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)							
	Method of as	sessment	talk (a	talk (approx. 15 minutes) and log (approx. 15 pages)							
					t: German or English						
08-FS1-122-m01				introduction)							
	ECTS 5	Duratio		1 semester	Method of grading	¥	Modul level	graduate			
	Courses					ours) and course language av	-				
	Method of as	sessment	each; c) ora	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
<b>Compulsory Electiv</b>	es (5 ECTS cre	dits)									
08-ACM3-102-m01	Solid state c	hemistry a	nd inor	inorganic materials							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (no	information on SW	S (weekly contact hours	s) and course language availa	ible)				
	Method of as	sessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
08-SCM1-102-m01	Supramolecu	lar Chemis	stry (Basics)								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (no	S (no information on SWS (weekly contact hours) and course language available)							
	Method of as	sessment	written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English								
08-PCM3-102-m01	Nanoscale M	aterials									
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü	(no information on	SWS (weekly contact h	ours) and course language av	/ailable)	_			
	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							
03-PM2-122-m01	Polymers II										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü	(no information on	SWS (weekly contact h	ours) and course language av	vailable)				
	Method of as	sessment			approx. 90 minutes) or t: German or English	b) oral examination of one ca	ndidate each (2	o minutes) or c) talk (30 minutes)			

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08-NT-122-m01	Chemically and bio-inspired Nanotechnology for Material Synthesis										
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate		
	Courses		•	<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o8-NT-1-122: V (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-NT-2-122: V (no information on SWS (weekly contact hours) and course language available)</li> </ul>							
	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.								
			<ul> <li>Assessment in module component o8-NT-1-122: Sol-Gel Chemistry 1: Fundamentals         <ul> <li>2 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> </ul> </li> <li>Assessment in module component o8-NT-2-122: From Biomineralisation to biologically inspired Materials Synthesis         <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes)</li> </ul> </li> </ul>								
03-FU-PM1-122- m01	Polymer Ch						1.				
mor	ECTS 5	Duratio		1 semester	Method of grading	-		Modul level	undergraduate		
	Courses		<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>03-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available)</li> <li>03-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)</li> </ul>								
	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) 1 to 3 written ex minutes each; 3 wr 20 minutes) or c) o Language of asses sment in module of 2 ECTS, Method of Vortestate (pre-ex Assessment offere	grading: numerical aminations (1 writter itten examinations: oral examination in g sment: German, Eng omponent o3-FU-PM grading: (not) succe periment exams, app ed: once a year, sum	n examination: approx approx. 60 minutes eac roups (groups of 2, ap lish if agreed upon wit <b>1-2-122:</b> Polymer Chen essfully completed prox. 15 minutes each)	x. 90 minute ch) or b) oral pprox. 30 mi th the exam nistry (Pract and logs (a	es; 2 written e examination nutes) iner ical course) pprox. 5 page	examinations: approx. 60 or 90 of one candidate each (approx. es each)		
08-FS2-122-m01	Material So	ience 2 (the	material groups)								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	1	Modul level	graduate		
	Courses		V + Ü (	(no information on	SWS (weekly contac	t hours) and course lar	nguage avai	lable)			
	Method of	assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English								

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08-FMM-CT-132-	Molecular Materials										
m01	ECTS 5	Duratio	n 19	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		V + Ü (no	information on	SWS (weekly contact	hours) and course lang	uage available)				
	Method of ass	sessment	presentation (approx. 30 minutes) and examination: a) 1 to 2 written examinations (1 written examination: approx. 90 minu- tes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total)								
	other prerequ	isites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).								
Homogeneous Cata	alysis (25 ECTS	credits)									
Compulsory Course	es (20 ECTS cre	dits)									
08-HKM2-102-m01	Advanced org	anometall	ic chemis	try and its appli	ication in homogeneo	us catalysis					
	ECTS 5	Duratio	n 19	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses				, ,	ırs) and course languag	-				
	Method of as:	sessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
08-HKM1-102-m01	Organo- and I	Biocatalys	is								
	ECTS 5	Duratio	n 19	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (no info	ormation on SW	S (weekly contact hou	irs) and course languag	e available)	-			
	Method of as	sessment	nation in the modu ning of th	groups (groups ule coordinator ne course.	s of 2, 30 minutes). Sh	ould there be the optio	n to choose between s	ch (20 minutes) or c) oral exami- everal methods of assessment, e current semester at the begin-			
08-HKM3AC-132- m01	Practical cour	rse Homog	eneous ca	talysis in Inorg	anic Chemistry						
	ECTS 5	Duratio	n 19	semester	Method of grading	(not) successfully com	pleted Modul level	graduate			
	Courses		P (no info	ormation on SW	'S (weekly contact hou	irs) and course languag	e available)				
	Method of ass		Language	e of assessmen	t: German or English	es) and talk (approx. 15					
	Additional Inf	ormation	Addition	Additional information on module duration: block placement with a duration of a minimum of 20 working days.							
08-HKM30C-132-				eneous catalysis in Organic Chemistry							
m01	ECTS 5	Duration		semester		(not) successfully com		graduate			
	Courses		-			irs) and course languag					
	Method of ass	sessment	Language	e of assessmen <sup>-</sup>	t: German or English	es) and talk (approx. 15		_			
	Additional Inf	ormation	Addition	al information o	on module duration: b	ock placement with a d	uration of a minimum of	of 20 working days.			
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<b>Compulsory Electiv</b>	es (5 ECTS credits)											
08-PCM2-102-m01	Chemic	al Dyna	mics									
	ECTS 5 Duration			ı	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	Courses			no information on S	SWS (weekly contact	hours) and course langua	age available)	·			
	Method	Method of assessment			written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English							
08-HKM4-102-m01	Advanc	ed tran	sition me	tal che	mistry							
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (no	information on SWS	(weekly contact hou	rs) and course language	available)				
				a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
03-FU-PM1-122-	Polymer Chemistry											
m01	ECTS 5 Duratio			ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o3-FU-PM1-1-122: V (no information on SWS (weekly contact hours) and course language available)</li> <li>o3-FU-PM1-2-122: P (no information on SWS (weekly contact hours) and course language available)</li> </ul>								
	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.								
				<ul> <li>Assessment in module component o3-FU-PM1-1-122: Polymer Chemistry (Lecture) <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> <li>Language of assessment: German, English if agreed upon with the examiner</li> </ul> </li> <li>Assessment in module component o3-FU-PM1-2-122: Polymer Chemistry (Practical course)</li> <li>2 ECTS, Method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each)</li> <li>Assessment offered: once a year, summer semester</li> <li>Language of assessment: German, English if agreed upon with the examiner</li> </ul>								

08-0CM-SYNT-132-	Moderr	n Synthe	etic Meth	ods								
m01	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)							
	Methoo	d of asse	essment	a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English								
	other p	rerequis	sites	10 t	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of ab- sence).							
08-TCM2-132-m01	Compu	tational	l Chemist	ry	<u> </u>							
	ECTS 5 Duration			n	1 semester	Method of grading numerical grade		Modul level	graduate			
	Courses			S + Ü	5 + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			written examination (approx. 90 minutes) Language of assessment: German or English								
	other prerequisites				o 15 hours to be s	o assessment: successful completion of e uccessfully completed) as well as regular						
Medicinal Chemistry (25 ECTS credits)												
Compulsory Course	es (25 EC	TS cred	lits)									
08-MCM1-102-m01	CM1-102-mo1 Practical course medicinal chemistry											
	ECTS	10	Duratio	n	1 semester	Method of grading (not) successfully c	ompleted	Modul level	graduate			
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of practical performance, written report (approx. 30 to 50 pages) Language of assessment: German or English								
08-MCM3-132-m01	Princip	les of d	rug desig	n								
	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 la	anguage ava	ilable)	_			
	Method of assessment			presentation with discussion (approx. 30 minutes) Language of assessment: German or English								
08-MCM2-132-m01	Pharma	aceutica	al/Medici	nal Ch	emistry							
	ECTS	10	Duratio	n	3 semester	Method of grading numerical grade		Modul level	graduate			
	Course	S		V + V	+ V (no information	on SWS (weekly contact hours) and cours	se language	available)				
	Method of assessment					e candidate each (approx. 30 minutes ea : German or English	ch)					

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Supramolecular Ch	emistry	(25 ECT	S credits								
Compulsory Courses (10 ECTS credits)											
08-SCM1-102-m01	Supran	nolecula	ar Chemis	try (Ba	sics)						
	ECTS 5 Duration		า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (no	information on SWS	(weekly contact hou	rs) and course language	e available)				
	Methoo	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	upramolecular Chemistry (Practical Course)									
	ECTS	5	Duratio	า	1 semester	Method of grading	(not) successfully comp	oleted Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language	e available)			
	Method of assessment				cal work, logs (appr age of assessment:						
No less than one of	<b>Compulsory Electives (15 ECTS credits)</b> No less than one of the two modules o8-SCM3 or o8-PCM5 must be completed in the focus.										
08-ACM2-102-m01		ganic C	hemistry								
	ECTS	5	Duration		1 semester	Method of grading	-	Modul level	graduate		
	Course	S		-			rs) and course language				
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
08-0CM-FM-102-	Organic Functional Materials										
m01	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	s		-			rs) and course language				
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-SCM3-102-m01	Bioorga	anic Che	emistry								
	ECTS	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	s					rs) and course language				
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								

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08-PCM3-102-m01	Nanoscale Mat	noscale Materials										
	ECTS 5 Duration		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 av	ailable)					
	Method of asse	essment				ination of one candidate each (	(20 minutes) or	talk (30 minutes)				
			-	age of assessment:								
08-PCM5-102-m01		· ·	<u> </u>	ramolecular assemblies         1 semester       Method of grading numerical grade       Modul level graduate								
	ECTS 5	Duratio		1 semester	<u> </u>	¥	Modul level	graduate				
	Courses				. ,	hours) and course language av	,					
	Method of asse	essment		n examination (90 n age of assessment:		examination of one candidate e	each (20 minute	es) and/or talk (30 mi	nutes)			
08-TCM2-132-m01	Computational Chemistry											
	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 av	ailable)					
	Method of assessment		writte Langu	written examination (approx. 90 minutes) Language of assessment: German or English								
	other prerequisites		10 te	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of ab- sence).								
08-MCM3-132-m01	Principles of drug design											
	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 av	ailable)					
	Method of asse	essment		ntation with discuss age of assessment:	sion (approx. 30 minu German or English	ites)						
<b>Theoretical Chemis</b>	try (25 ECTS cre	dits)										
Compulsory Course	es (10 ECTS cred	its)										
08-TCM3-102-m01	Programming i	n Theore	tical Cł	nemistry								
	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 av	ailable)	-				
	Method of asse	essment	comp Langu	etion and discussio age of assessment:	on of approx. 5 progra German or English	mming exercises as well as tal	k (approx. 45 m	inutes)				
08-TCM1-132-m01	Theoretical Ch	emistry (	Basics)									
	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 av	ailable)	- <b>.</b>				
	Method of assessment			written examination (approx. 90 minutes) Language of assessment: German or English								
	other prerequisites			o 15 hours to be si		sful completion of exercises in d) as well as regular attendance						
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Compulsory Electiv										
	dules o8-TCAP1, o8-TCAP2 and o8-TCAP3 must be taken. Computational Chemistry									
00 TCM2 152 mor	ECTS	5	Duration		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 of assessment				written examination (approx. 90 minutes) Language of assessment: German or English					
	other p	rerequis			Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).					
08-MCM3-132-m01	MCM3-132-mo1 Principles of drug design									
	ECTS	5	Duration	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 av	vailable)			
	Metho	Method of assessment			oresentation with discussion (approx. 30 minutes) Language of assessment: German or English					
08-TCAP1-132-m01	Theore	tical Ch	emistry -	Projec	t course wave-pack	et dynamics				
_	ECTS	5	Duration		1 semester	0 0	(not) successfully completed		graduate	
	Courses			P (no	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							
	Additional Information		Additional information on module duration: 4 weeks.							
08-TCAP2-132-m01	Theoretical Chemistry - Project coursewave function based methods									
	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Course	S		P (no	information on SWS	δ (weekly contact hoι	urs) and course language availa	ble)		
	Method of assessment		essment	presentation (approx. 30 minutes) Language of assessment: German or English						
	Additic	onal Info	rmation	Addit	ional information or	n module duration: 4	weeks.			
08-TCAP3-132-m01	Theore	tical Ch	emistry -	Project course Computational Photochemistry						
	ECTS	5	Duration	-	1 semester	• •	(not) successfully completed		graduate	
	Course	S		P (no	information on SWS	δ (weekly contact hoι	urs) and course language availa	ble)		
	Metho	d of asse	essment		ntation (approx. 30 lage of assessment:	minutes) : German or English				
	Additic	nal Info	rmation	Addit	ional information or	n module duration: 4	weeks.			

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Additional qualification	ations (19	5 ECTS	credits)									
Additional qualifica	ations Co	mpuls	ory Electi	ves Foo	uses (5 ECTS credi	its)		с с I.				
Module from the Fo				ea of n	nandatory electives	s that has not been	used as part	of a focus subj	ect (5 ECT	S credits).		
08-BCP-092-m01	Biocher					Mathad of such:				ما بالمبيما	un de verre du che	
	ECTS		Duratio		1 semester	Method of gradi				odul level	undergraduate	
	Courses Method of assessment				information on SW		-		-	· .		
	Method	l of asso	essment	to 10	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester							
	Modules successfully completed			08-BC								
	Particip cation c			Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module o8-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.								
08-PCM4-132-m01	Ultrafast spectroscopy and quantum-control											
	ECTS	5	Duratio	<u>,</u> 1	1 semester	Method of gradi	ng numerical	grade	Mc	odul level	graduate	
	Courses			S+Ü	(no information on	SWS (weekly cont	act hours) and	course langua	age availal	ble)	10	
	Method of assessment			a) written examination (90 minutes) or b) oral examination of one candidate each (20 minutes) or c) talk (30 minutes) Language of assessment: German or English								
	Modules successfully completed			08-PCM1a, 08-PCM1b								
08-ACM2-102-m01	Bioinor	ganic C	hemistry						1			
	ECTS 5 Duratio			n	1 semester	Method of gradi	ng numerical	grade	Mc	odul level	graduate	
	Courses	5		S (no	information on SW	S (weekly contact	nours) and cou	urse language a	available)		·	
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English								
08-ACM3-102-m01	Solid st	tate che	emistry a	nd inor	ganic materials							
	ECTS	5	Duratio		1 semester	Method of gradi				odul level	graduate	
	Courses	5		S (no	information on SW	S (weekly contact	nours) and cou	urse language a	available)			
	Method	l of asso	essment	nation the m ning c	S (no information on SWS (weekly contact hours) and course language available) a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							

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08-HKM2-102-m01	Advanced orga	ranced organometallic chemistry and its application in homogeneous catalysis										
	ECTS 5	Duration	1	semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (no ini	formation on SW	S (weekly contact ho	urs) and course language av	vailable)					
	Method of assessment a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assess the module coordinator will choose the method to be used for the module component in the current semester at the											
		1	ning of the course.									
	Language of assessment: German or English											
08-OCM- NMRMS-102-m01		dvanced NMR- and Mass Spectrometry										
N/NR/NS-102-1101	ECTS 5	Duration		semester	Method of grading		Modul level	graduate				
	Courses					urs) and course language av						
	Method of ass	1	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes) Language of assessment: German or English									
08-0CM-NAT-102-	Modern Aspec	ts of Natur	al Produ	uct Chemistry and	d Biological Chemist	ry						
m01	ECTS 5	Duration	1	semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	0	S (no in	formation on SW	S (weekly contact ho	urs) and course language av	vailable)					
	Method of assessmenta) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral or nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assess the module coordinator will choose the method to be used for the module component in the current semester at the b ning of the course. Language of assessment: German or English							everal methods of assessment,				
	Participants and allo- cation of places Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.											
08-0CM-FM-102-	Organic Functi	ional Mater	rials									
m01	ECTS 5	Duration		semester	Method of grading		Modul level	graduate				
	Courses					urs) and course language av						
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English									
08-HKM1-102-m01												
	ECTS 5	Duration		semester	Method of grading	-	Modul level	graduate				
	Courses		-			urs) and course language av	-					
	Method of assessment		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English									
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08-SCM1-102-m01	Supram	Supramolecular Chemistry (Basics)									
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	S	-3	S (no	information on SWS	(weekly contact hours) and course language avail	lable)				
	Method	l of asse	essment		n examination (appr lage of assessment:	rox. 90 minutes) or oral examination of one candi German or English	date each (appro	x. 20 minutes)			
08-SCM3-102-m01	Bioorganic Chemistry										
	ECTS	5	Duratio	n	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			nation the m ning o	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English						
08-PCM2-102-m01	Chemic	al Dyna	mics								
		5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		J	S + Ü	(no information on S	SWS (weekly contact hours) and course language		10			
	Method of assessment		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-PCM3-102-m01	Nanoscale Materials										
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	s		S + Ü	(no information on S	SWS (weekly contact hours) and course language	available)				
	Method of assessment		written examination (90 minutes) or oral examination of one candidate each (20 minutes) or talk (30 minutes) Language of assessment: German or English								
08-PCM5-102-m01	Physical chemistry of supramolecular assemblies										
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	S	_	S + Ü	(no information on S	SWS (weekly contact hours) and course language	available)				
	Method	l of asse	essment		n examination (90 n lage of assessment:	ninutes) and/or oral examination of one candidate German or English	e each (20 minute	es) and/or talk (30 minutes)			
08-PH-KAC-092-	Clinical	and An	alytical (	Chemis	hemistry						
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	S		V (no	information on SWS	(weekly contact hours) and course language avai	lable)				
	Method	l of asse	essment	writte	n examination (120	minutes)					
08-PH-KACP-092-	Clinical	and An	alytical (	hemis	try (practical course	2)					
m01	ECTS	5	Duratio		1 semester	Method of grading (not) successfully completed		undergraduate			
	Courses	-				(weekly contact hours) and course language avai					
	Method	l of asse	essment	exam	ination talks (Testate	e, approx. 15 minutes each), log (approx. 5 to 10 p	ages)				

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08-FMM-MP-102-	Lab Course Materials Science										
m01	ECTS 5	Duratio	า	1 semester	Method of grading (not) successful	lly completed	Modul level	graduate			
	Courses		P (no	P (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment		Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical perfor-							
				mance, log (5 to 10 pages) Language of assessment: German or English							
	Due is at March		Langu	lage of assessment:	German or English						
08-FMM-PA-102- m01	Project Work	Duration		1				Laws durate			
mor	ECTS 5	Duratio		1 semester	Method of grading (not) successful	, ,		graduate			
	Courses				(weekly contact hours) and course la	nguage availa	ole)				
	Method of ass	essment		approx. 15 minutes) a Jage of assessment:	and log (approx. 15 pages) German or English						
08-HKM4-102-m01	Advanced tran	sition me		-			1.				
	ECTS 5	Duratio		1 semester	Method of grading numerical grade	9	Modul level	graduate			
	Courses	1	S (no	information on SWS	(weekly contact hours) and course la		ble)	10			
	Method of ass	essment	nation the m ning c	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-MCM1-102-m01	Practical course medicinal chemistry										
	ECTS 10	Duratio		1 semester	Method of grading (not) successful	lly completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hours) and course la			10			
	Method of ass	essment	Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (approx. 20 minutes), assessment of practical performance, written report (approx. 30 to 50 pages) Language of assessment: German or English								
08-SCM2-102-m01	Supramolecul	ar Chemis	try (Pr	actical Course)							
	ECTS 5	Duratio	า	1 semester	Method of grading (not) successful	lly completed	Modul level	graduate			
	Courses		P (no	information on SWS	(weekly contact hours) and course la	nguage availal	ble)				
	Method of assessment		practical work, logs (approx. 5 pages each) Language of assessment: German or English								
08-TCM3-102-m01	Programming	in Theore	tical Cl	hemistry							
	ECTS 5	Duratio	า	1 semester	Method of grading numerical grade	5	Modul level	graduate			
	Courses		S + Ü	(no information on S	SWS (weekly contact hours) and cours	se language av	ailable)	-			
	Method of ass	essment		letion and discussio lage of assessment:	n of approx. 5 programming exercises German or English	s as well as tal	k (approx. 45 m	inutes)			

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08-BC-MOLP-111-	Molecu	lar Biol	ogy Lab							
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			Ü (no	Ü (no information on SWS (weekly contact hours) and course language available)					
	Methoo Module comple	es succe		(appro prox. sessm Asses Langu	ox. 20 minutes) or d 40 minutes) or d) pr 1ent prior to the cou	) oral examination in esentation (approx. rse. a year, winter seme German or English	groups of up to 3 candidates ( 30 minutes). Students will be i	(groups of 2: app	nination of one candidate each prox. 30 minutes, groups of 3: ap- he method and length of the as-	
	Particip cation o	ants ar		chemi accore amon ject se locate (Chen cordir de, pl amon	istry) Bachelor's: Sh ding to the following g applicants with th emesters of the resp ed by lot. A waiting li nistry) Master's: Sho ng to the following q aces will be allocate g applicants with th	ould the number of a g quotas: Quota 1 (tw e same average grad ective applicant; am ist will be maintained ould the number of a uotas: Quota 1 (two ed by lot. Quota 2 (or	applications exceed the number to thirds of places): current aver le, places will be allocated by l song applicants with the same d and places re-allocated as th pplications exceed the number thirds of places): grade of mod ne third of places) number of su ubject semesters, places will be	er of available pl erage grade of su ot. Quota 2 (one number of subje ey become avail r of available pla ule o8-BC; amor ubject semesters	ccessfully completed modules; third of places) number of sub- ct semesters, places will be al- able. Selection process Chemie ces, places will be allocated ac- ng applicants with the same gra-	
03-PM2-122-m01	Polyme	ers II	1							
	ECTS	5	Duratio		1 semester	Method of grading	-	Modul level	graduate	
	Course				-		hours) and course language a	-		
	Methoo	l of ass	essment		tten examination (ap lage of assessment:		r b) oral examination of one ca	ndidate each (2	o minutes) or c) talk (30 minutes)	

08-NT-122-m01	Chemica	ally and	d bio-insp	oired N	anotechnology for	Material Synthesis				
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate
	Courses			<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>08-NT-1-122: V (no information on SWS (weekly contact hours) and course language available)</li> <li>08-NT-2-122: V (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
	Method	ofasse	essment							ts as specified below. Unless all individual assessments.
				• • Asses	2 ECTS, Method of a) written examina oral examination i soment in module of 3 ECTS, Method of a) written examina	grading: numerical ation (approx. 45 min n groups (groups of <b>omponent o8-NT-2-</b> grading: numerical ation (approx. 45 min	iutes) or b) oral exam 2, approx. 30 minutes . <b>22:</b> From Biominerali grade	ination of c s) sation to bi ination of c	one candidate e iologically insp	each (approx. 20 minutes) or c) ired Materials Synthesis each (approx. 20 minutes) or c)
03-FU-PM1-122-	Polymer				r	1				
m01	ECTS 5 Duratio				1 semester	Method of grading			Modul level	undergraduate
	Courses			•	03-FU-PM1-1-122: \	V (no information on	s. Information on cou SWS (weekly contact SWS (weekly contact	t hours) and	d course langua	ely for each module component. Ige available) Ige 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.						
				<ul> <li>Assessment in module component o3-FU-PM1-1-122: Polymer Chemistry (Lecture) <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> <li>Language of assessment: German, English if agreed upon with the examiner</li> </ul> </li> <li>Assessment in module component o3-FU-PM1-2-122: Polymer Chemistry (Practical course)</li> <li>2 ECTS, Method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each) and logs (approx. 5 pages each)</li> <li>Assessment offered: once a year, summer semester</li> <li>Language of assessment: German, English if agreed upon with the examiner</li> </ul>						
08-FS1-122-m01	Materia	l Scien	ce 1 (basi	c intro	duction)					
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade		Modul level	graduate
	Courses			V + Ü	no information on	SWS (weekly contac	t hours) and course la	anguage av	ailable)	
	Method	ofasse	essment	each; c) ora	3 written examinat l examination in gro		utes each) or b) oral			tions: approx. 60 or 90 minutes date each (approx. 20 minutes) or

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08-FS2-122-m01	Material Science 2 (the material groups)										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V + Ü	no information on t	SWS (weekly contact	hours) and course lang	uage available)	•		
	Method of assessment			a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
08-BC-132-m01	Princip	les of B	liochemis	try							
	ECTS 6 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				08-BC-1-132: V + Ü	(no information on S	WS (weekly contact ho	es will be listed separate urs) and course languag urs) and course languag			
08 ACM4 100 mot	Method of assessment			stated Asses Asses	<ul> <li>stated otherwise, successful completion of the module will require successful completion of all individual assessments.</li> <li>Assessment in module component o8-BC-1-132: Principles of Biochemistry 1 Principles of Biochemistry 1 <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (approx. 60 to 90 minutes)</li> </ul> </li> <li>Assessment in module component o8-BC-2-132: Principles of Biochemistry 2 Principles of Biochemistry 2 <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>written examination (approx. 60 to 90 minutes)</li> </ul> </li> </ul>						
08-ACM1-132-m01	L				1						
	ECTS	10	Duration		2 semester	Method of grading	-	Modul level	graduate		
	Courses			S + S (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			a) 1 to 2 written examinations (1 written examination: approx. 120 minutes; 2 written examinations: approx. 90 minutes each) or b) oral examination of one candidate each (30 minutes) or c) oral examination in groups (groups of 2, 45 minutes) Language of assessment: German or English							
08-ACPM-132-m01	Inorga	nic Che	mistry pra	ictical	ictical course for advanced						
	ECTS	10	Duratio	n	1 semester	Method of grading	(not) successfully com	pleted Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact hou	irs) and course languag	e available)			
	Methoo	d of ass	essment				es) and talk (approx. 15	minutes)			
	Additional Information			Addit	Language of assessment: German or English Additional information on module duration: block placement with a duration of a minimum of 40 working days.						

08-0CM-SYNT-132-	Moder	n Synth	etic Meth	ods							
m01	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
	other p	rerequi	sites		to 15 hours to be				classes (usually 70% of exercises a maximum of 2 incidents of ab-		
08-0CM-AKP1-122-	Advanc	ed Res	earch Pro	ject							
m01	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully compl	eted Modul level	graduate		
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment			es) and log (approx. 15 t nt: German or English	o 20 pages)				
08-TCM2-132-m01	Compu	tationa	l Chemist	ry							
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S + Ü	(no information o	on SWS (weekly contact	hours) and course langua	ige available)			
	Method of assessment			written examination (approx. 90 minutes) Language of assessment: German or English							
	other prerequisites			Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of ab- sence).							
08-PCM1a-132-	Laser Spectroscopy										
m01	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)							
				written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English							
08-PCM1b-132-	Advanc	ed Phy	sical Chei	mistry	(Lab)						
m01	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully compl	eted Modul level	graduate		
	Course	S		P (no	information on S	WS (weekly contact hou	irs) and course language a	available)			
	Method	d of ass	essment			nent exams) and Nacht nt: German or English	estate (post-experiment e	xams) (approx. 15 mi	nutes) and log (approx. 15 pages)		
	Additio	nal Info	rmation	Addit	ional information	on module duration: b	lock placement with a dur	ation of a minimum o	of 20 working days.		

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08-TCM1-132-m01	Theore	tical Ch	emistry (	Basics	)					
	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 of assessment			t written examination (approx. 90 minutes) Language of assessment: German or English						
	other p	rerequis	sites		o 15 hours to be su	assessment: successful completion of exercises ir uccessfully completed) as well as regular attendanc				
08-PCM6-132-m01	Physica	al Chem	istry (Adv	vanced	Lab)					
	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Course	s		P (no	P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment			presentation (approx. 20 minutes) Language of assessment: German or English						
	Module comple	es succe eted	essfully	08-P0	CM1					
	Additio	nal Info	rmation	Addit	ional information on	module duration: block placement with a duration	of a minimum of	of 20 working days.		
08-BC-MOLM-132- m01	Molecular Biology									
	ECTS 5 Duratio			n	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment									
08-BC-VPMM-132-	Practic	al cours	e Molecu	lar Machines for advanced students						
m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	s		P (no	information on SWS	(weekly contact hours) and course language availa	ible)			
	Methoo	l of asse	essment		pprox. 20 pages) an lage of assessment:	d talk (approx. 15 minutes) German or English				
		es succe eted	essfully	08-B0	C, 08-BCP					
	completed			Additional information on module duration: block placement with a duration of a minimum of 40 working days.						

08-BC-VPPD-132-	Practical cours	se Protein	Degradation in Eukaryotes for advanced students						
m01	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		P (no	P (no information on SWS (weekly contact hours) and course language available)					
	Method of ass	essment							
				age of assessment:	German or English				
	Modules succe completed	essfully	08-B(	o8-BC, o8-BCP					
	Additional Info	ormation	Addit	onal information on	module duration: block placement with a duration	of a minimum c	of 40 working days.		
08-BC-VPRB-132-		se RNA Bi	ochem	istry for advanced st					
m01	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		ļ		(weekly contact hours) and course language availa	ble)			
	Method of ass	essment		pprox. 20 pages) an lage of assessment:	d talk (approx. 15 minutes) German or English				
	Modules succe completed	essfully	08-B(	, o8-BCP					
	Additional Info	rmation	Addit	ional information on	module duration: block placement with a duration	of a minimum o	of 40 working days.		
08-BC-VPSB-132-	Practical cours	se Structu	iral Bio	logy for advanced s	tudents				
m01	ECTS 10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		P (no	information on SWS	(weekly contact hours) and course language availa	ble)			
			Language of assessment: German or English						
	Modules successfully completed		08-BC, 08-BCP						
	Additional Information		Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
08-MCM3-132-m01	Principles of d	rug desig	n						
	ECTS 5	Duratio	n	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 ass	essment		ntation with discuss lage of assessment:	ion (approx. 30 minutes) German or English				
08-FMM-CT-132-	Molecular Mat	erials							
m01	ECTS 5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact hours) and course language av	ailable)			
	Method of ass	essment	tes; 2 oral e	written examinatior xamination in group	minutes) and examination: a) 1 to 2 written examina ns: approx. 60 minutes each) or b) oral examination s (groups of 2, approx. 30 minutes total)	of one candida	te each (approx. 20 minutes) or c)		
	other prerequi	sites		o 15 hours to be si	assessment: successful completion of exercises in uccessfully completed) as well as regular attendanc				

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08-HKM3AC-132-	Practical course Home	eneous catalysis in Inorganic Chemistry						
m01	ECTS 5 Durati	on 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 assessmen							
		Language of assessment: German or English						
	Additional Information							
08-HKM30C-132-		geneous catalysis in Organic Chemistry						
m01	ECTS 5 Durati							
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessmen	practical work with lab report (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Additional Information	Additional information on module duration: block placement with a duration of a minimum of 20 working days.						
08-MCM2-132-m01	Pharmaceutical/Medi	inal Chemistry						
	ECTS 10 Durati	on 3 semester Method of grading numerical grade Modul level graduate						
	Courses	V + V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessmen							
		Language of assessment: German or English						
08-TCAP1-132-m01		- Project course wave-packet dynamics						
	ECTS 5 Durati							
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessmen	Language of assessment: German or English						
	Additional Information	Additional information on module duration: 4 weeks.						
08-TCAP2-132-m01	Theoretical Chemistry	- Project coursewave function based methods						
	ECTS 5 Durati							
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessmen	presentation (approx. 30 minutes)						
		Language of assessment: German or English						
	Additional Information							
08-TCAP3-132-m01		- Project course Computational Photochemistry						
	ECTS 5 Durati							
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessmen	t presentation (approx. 30 minutes) Language of assessment: German or English						
	Additional Information							

Other additional qu	alificati	ons (10	ECTS cre	dits)							
03-TR-072-m01	Toxicol	ogy and	l legal stu	udies	dies						
	ECTS	3	Duratio	n	1 semester Method of grading numerical grade Modul level undergraduate						
	Courses			V + V	+ V (no information on SWS (weekly contact hours) and course language available)						
	Method	ofasse	essment	writte	written examination (approx. 90 minutes)						
08-WRM1-132-m01	Tutorin	g 1 (pra	ctical cou	irse)							
	ECTS	5	Duration	n	1 semester         Method of grading         (not) successfully completed         Modul level         graduate						
	Courses	5		Ü (no	o information on SWS (weekly contact hours) and course language available)						
	Method	ofasse	essment		aration of materials for demonstrations and exercises (approx. 120 hours total) guage of assessment: German or English						
	other p	rerequis	sites	Using a diff	g activities performed under a research assistant contract for this module is not permitted. The exercise must accompany ferent course than the exercise held in module o8-WRM2.						
08-WRM2-132-m01	Tutorin	g 2 (pra	ctical cou	urse)							
	ECTS	5	Duratio	n	1 semester Method of grading (not) successfully completed Modul level graduate						
	Courses			Ü (no	o information on SWS (weekly contact hours) and course language available)						
	Method	ofasse	essment		aration of materials for demonstrations and exercises (approx. 120 hours total) guage of assessment: German or English						
	other p	rerequis	sites	Using activities performed under a research assistant contract for this module is not permitted. The exercise must accompany a different course than the exercise held in module o8-WRM1.							
08-APM1-132-m01											
	ECTS	5	Duratio	n	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 assessment			report (2 pages); proof of having completed lab course Language of assessment: German or English; language of the respective placement country where required							
	other prerequisites			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.							
	Additio	nal Info	rmation	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	n	2 semester Method of grading (not) successfully completed Modul level graduate						
	Courses	5		P (no	o information on SWS (weekly contact hours) and course language available)						
	Method	of asse	essment		rt (2 pages); proof of having completed lab course guage of assessment: German or English; language of the respective placement country where required						
	other p	rerequis	sites		ission prerequisite to assessment: regular attendance of placement (a maximum of 2 incidents of absence); consultation course advisory service prior to placement highly recommended; not to be combined with o8-APM1.						
	Additio	nal Info	rmation		tional information on module duration: block placement abroad with a duration of a minimum of 40 working days.						

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08-CHPM1-132-	Chemistry-rela	Chemistry-related courses outside of the Natural Sciences											
m01	ECTS 5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate						
	Courses		V (no	(no information on SWS (weekly contact hours) and course language available)									
	Method of asse	essment			ten examinations (approx. 60 or approx. 90 minutes)								
			(approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) or successful completion as certified										
			by the lecturer Language of assessment: German or English										
	other prerequis	sites	Please consult with course advisory service.										
08-CHPM2-132-				hin the Natural Scie									
mo1	ECTS 5	Duratio		1 semester		Modul level	graduate						
	Courses	1	V (no	information on SWS	(weekly contact hours) and course language availab	le)							
	Method of asse	essment			ten examinations (approx. 60 or approx. 90 minutes)								
					) oral examination in groups (groups of 2, approx. 30	minutes) or su	accessful completion as certified						
				by the lecturer Language of assessment: German or English									
	other prerequis	ites	-	e consult with cours									
Compulsory Course													
		=		115)									
03-TR-072-m01	Toxicology and												
	ECTS 3	Duratio		1 semester		Modul level	undergraduate						
	Courses		V + V (no information on SWS (weekly contact hours) and course language available)										
		Method of assessment       written examination (approx. 90 minutes)         Advanced chemical practical course											
08-VPM-DA-132- m01						Ma. J. J. J 1	l euro de este						
	ECTS 2	Duratio		1 semester		Modul level	graduate						
	CoursesP (no information on SWS (weekly contact hours) and course language available)Method of assessmentwritten report (approx. 3 pages)												
	Method of asse	essment	Language of assessment: German, English										
<b>Compulsory Electiv</b>	es (double degr	ee) (55 E	•		, 8								
Students must cho	ose two focuses	(focus 1	with 30	ECTS credits, focus	2 with 25 ECTS credits).								
Inorganic Chemisti	У												
Compulsory Course	es (20 ECTS cred	its)											
08-ACM1-132-m01	Advanced Inorg	ganic Che	emistry	,									
	ECTS 10	Duratio	n	2 semester	Method of grading numerical grade	Modul level	graduate						
	Courses		S + S	(no information on S	SWS (weekly contact hours) and course language avai	ilable)							
	Method of asse	essment			ions (1 written examination: approx. 120 minutes; 2 w								
					one candidate each (30 minutes) or c) oral examinatio	on in groups (g	groups of 2, 45 minutes)						
	Language of assessment: German or English												

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08-ACPM-132-m01	Inorganic Chemistry practical course for advanced										
	ECTS	10	Duratio	1	1 semester	Method of grading (not) successfully comp	oleted Modul level	graduate			
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			practical work with lab report (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Additional Information			Addit	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
<b>Compulsory Electiv</b>	es										
08-ACM2-102-m01	Bioinorganic Chemistry										
	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)				
				a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-ACM3-102-m01	Solid s	tate ch	emistry a	nd ino	rganic materials						
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			S (no	information on SWS	5 (weekly contact hours) and course language	available)				
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-HKM2-102-m01	Advanced organometallic chemistry and its application in homogeneous catalysis										
	ECTS 5 Duration			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)							
	Methoo	d of ass	sessment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-0CM-	Advanc	ed NM	R- and Ma	ss Spe	ectrometry						
NMRMS-102-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S				6 (weekly contact hours) and course language	-				
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes) Language of assessment: German or English							

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08-TCM2-132-m01	Compu	tationa	Chemist	ry									
	ECTS 5 Duration		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)								
	Methoo	d of asso	essment	written examination (approx. 90 minutes) Language of assessment: German or English									
	other prerequisites			Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).									
Organic Chemistry													
Compulsory Course	es (15 EC	TS cred	its)										
08-0CM-	Advanc	Advanced NMR- and Mass Spectrometry											
NMRMS-102-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	-	P (no information on SWS (weekly contact hours) and course language available)									
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes) Language of assessment: German or English									
08-0CM-SYNT-132-	Modern Synthetic Methods												
m01	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 of assessment			a) 1 to 2 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English									
	other prerequisites			Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).									
08-0CM-AKP1-122-		ed Rese	earch Pro	ject	ect								
m01	ECTS	5	Duratio		1 semester		(not) successfully completed		graduate				
	Course	-					irs) and course language avail	able)					
	Method of assessment			talk (approx. 15 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English									

<b>Compulsory Electiv</b>	/es										
08-0CM-NAT-102-	Modern Aspects of Natural Product Chemistry and Biological Chemistry										
m01	ECTS 5 Duration				1 semester	Method of grading	•	Modul level	graduate		
	Courses					. ,	urs) and course languag	<u> </u>			
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
	Participa cation of			Chem	istry Master's: no re	estrictions. Biochemi	stry Master's: 20 places	s. Places will be allocate	ed by lot.		
08-0CM-FM-102-	Organic	Functio	onal Mat	erials							
m01	ECTS 4	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (no	information on SWS	6 (weekly contact ho	urs) and course languag	ge available)			
				a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-HKM1-102-m01	Organo- and Biocatalysis										
	ECTS 5 Duratio		Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (no	information on SWS	6 (weekly contact ho	urs) and course languag	ge available)			
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-SCM1-102-m01	Supramolecular Chemistry (Basics)										
	ECTS 4	5	Duratio	ı	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			S (no	S (no information on SWS (weekly contact hours) and course language available)						
	Method	of asse	ssment	written examination (approx. 90 minutes) or oral examination of one candidate each (approx. 20 minutes) Language of assessment: German or English							
08-SCM3-102-m01	Bioorgar	nic Che	mistry								
	ECTS 4	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
				S (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
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08-PH-KACP-092-	Clinical and Analytical Chemistry (practical course)										
m01	ECTS	CTS 5 Duration			1 semester		(not) successfully completed	Modul level	undergraduate		
				P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method	d of asse	essment	exami	nation talks (Testate	e, approx. 15 minutes	each), log (approx. 5 to 10 pag	ges)			
08-TCM2-132-m01	Computational Chemistry										
	ECTS 5 Duration			n	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)			
	Methoo	d of asse	essment	writte Langu	n examination (appr age of assessment:	rox. 90 minutes) German or English					
	other prerequisites				o 15 hours to be su				classes (usually 70% of exercises a maximum of 2 incidents of ab-		
<b>Physical Chemistry</b>	,										
Compulsory Course	es (20 EC	TS cred	lits)								
08-PCM2-102-m01	Chemic	al Dyna	mics								
	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)							
	Methoo	d of asse	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-PCM1a-132-	Laser Spectroscopy										
m01	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)							
	Methoo	d of asse	essment	written examination (90 minutes) or oral examination (20 minutes) Language of assessment: German or English							
08-PCM1b-132- m01	Advanc	ed Phys	sical Chei	nistry (Lab)							
	ECTS	5	Duratio		1 semester	• •	(not) successfully completed		graduate		
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Methoo	d of asse	essment		state (pre-experimer age of assessment:		state (post-experiment exams)	) (approx. 15 mi	nutes) and log (approx. 15 pages)		
	Additional Information			Additi	onal information on	module duration: blo	ock placement with a duration	of a minimum o	of 20 working days.		

08-PCM6-132-m01	Physical Ch	emistry (Adv	/anced Lab)								
	ECTS 5	Duration	n 1	semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no inf	P (no information on SWS (weekly contact hours) and course language available)							
	Method of a	ssessment		ation (approx. 20 I							
			Language of assessment: German or English								
	Modules suc completed	ccessfully	o8-PCM	1				_			
	Additional Ir	nformation	Additior	nal information on	module duration: bl	ock placement with a duratior	n of a minimum o	of 20 working days.			
<b>Compulsory Electiv</b>	es										
08-PCM4-132-m01	Ultrafast spectroscopy and quantum-control										
	ECTS 5	Duration	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü (n	o information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of a	ssessment			o minutes) or b) oral German or English	examination of one candidate	each (20 minute	es) or c) talk (30 minutes)			
	Modules suc completed	ccessfully	08-PCM	1a, 08-PCM1b							
08-PCM3-102-m01	Nanoscale Materials										
	ECTS 5	Duration	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü (n	o information on S	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) Language of assessment: German or English								
08-PCM5-102-m01	Physical che	emistry of su	upramole	cular assemblies							
	ECTS 5	Duration	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	,	S + Ü (n	o information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of a	ssessment	written e Languag	examination (90 m ge of assessment:	ninutes) and/or oral German or English	examination of one candidate	each (20 minute	es) and/or talk (30 minutes)			
08-FMM-MP-102-	Lab Course	Materials So	cience								
m01	ECTS 5	Duration	n 1	semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		P (no inf	formation on SWS	(weekly contact hou	rs) and course language avail	able)				
	Method of a	ssessment	mance,	log (5 to 10 pages)		estate (post-experiment exam	5) (15 minutes), a	assessment of practical perfor-			
08-TCM3-102-m01	Programmin	ng in Theore	tical Che	mistry							
	ECTS 5	Duration	n 1	semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S + Ü (n	o information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of a	ssessment			n of approx. 5 progra German or English	amming exercises as well as ta	ılk (approx. 45 m	inutes)			

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08-FS1-122-m01	Materia	al Scien	ce 1 (basi	c intro	duction)	,						
	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			each; c) ora	3 written examina l examination in gr		utes each) or b) oral examinati		ations: approx. 60 or 90 minutes date each (approx. 20 minutes) or			
08-TCM2-132-m01	Computational Chemistry											
	ECTS	5	Duration		1 semester	Method of grading	ç	Modul level	graduate			
	Course	s		S + Ü	(no information on	SWS (weekly contact	hours) and course language a	vailable)				
	Method	l of ass	essment		n examination (ap lage of assessmen	prox. 90 minutes) t: German or English						
	other p	rerequis	sites		o 15 hours to be				classes (usually 70% of exercises a maximum of 2 incidents of ab-			
08-TCM1-132-m01	Theore	tical Ch	emistry (l	Basics)	Jasics)							
	ECTS	5	Duratio	ı	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	l of asse	essment	written examination (approx. 90 minutes) Language of assessment: German or English								
	other prerequisites		sites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercise 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of ab- sence).								
08-TCAP1-132-m01	Theore	tical Ch	emistry -	Project course wave-packet dynamics								
	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)								
	Methoo	l of asse	essment	presentation (approx. 30 minutes) Language of assessment: German or English								
	Additio	nal Info	ormation	Additi	onal information o	on module duration: 4	weeks.					
08-TCAP2-132-m01	Theore	tical Ch	emistry -	Projec	t coursewave funct	tion based methods						
	ECTS	5	Duration	ı	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		P (no	information on SW	'S (weekly contact hou	urs) and course language avail	able)				
	Method	l of asse	essment		ntation (approx. 30 lage of assessmen	o minutes) t: German or English						
	Additio	nal Info	rmation	Additi	onal information o	on module duration: 4	weeks.					

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08-TCAP3-132-m01	Theoret	tical Ch	emistry -	Projec	t course Computatio	onal Photochemistry		-		
	ECTS	5	Duratio	ı	1 semester	Method of grading (not) successfully comple	eted Modul level	graduate		
	Courses	5		P (no	P (no information on SWS (weekly contact hours) and course language available)					
	Method	l of asse	essment		ntation (approx. 30 lage of assessment:					
	Additio	nal Info	rmation	Additi	ional information or	module duration: 4 weeks.				
Biochemistry										
Compulsory Course	es (15 EC	TS cred	its)							
08-BC-MOLP-111-	Molecu	lar Biol	ogy Lab							
m01	ECTS	10	Duratio	ı	1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses	5		Ü (no	information on SWS	(weekly contact hours) and course language a	available)			
				(appro prox. sessn Asses	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. Assessment offered: once a year, winter semester Language of assessment: German or English					
	Modules successfully completed			o8-BC (module component o8-BC-1 only)						
	Particip cation c	of place	S	chem accore amon ject se locate (Chen cordir de, pl amon	istry) Bachelor's: Sh ding to the following g applicants with th emesters of the resp ed by lot. A waiting l nistry) Master's: Sho ng to the following q aces will be allocate g applicants with th	Bachelor's: 24 places. Chemie (Chemistry) Ma ould the number of applications exceed the nu g quotas: Quota 1 (two thirds of places): curren e same average grade, places will be allocated pective applicant; among applicants with the sa ist will be maintained and places re-allocated a puld the number of applications exceed the nur uotas: Quota 1 (two thirds of places): grade of ed by lot. Quota 2 (one third of places) number e same number of subject semesters, places w s they become available.	umber of available p t average grade of su by lot. Quota 2 (one ame number of subje as they become avai mber of available pla module o8-BC; amo of subject semester	laces, places will be allocated uccessfully completed modules; e third of places) number of sub- ect semesters, places will be al- lable. Selection process Chemie aces, places will be allocated ac- ng applicants with the same gra- s of the respective applicant;		
08-BC-MOLM-132-	Molecu					L				
m01		5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate		
	Courses				<u>.</u>	SWS (weekly contact hours) and course langua	<u> </u>			
	Method	l of asse	essment	(appro prox. sessn	ox. 20 minutes) or d		ites (groups of 2: ap	prox. 30 minutes, groups of 3: ap-		

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<b>Compulsory Electiv</b>	/es										
Specialist Lab Cou	rse (10 E	CTS cre	dits)								
08-BC-VPMM-132-	Practical course Molecular Machines for advanced students										
m01	ECTS 10 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Methoo	l of asse	essment	log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Module comple	ted			C, 08-BCP						
	Additio	nal Info	rmation	Addit	Additional information on module duration: block placement with a duration of a minimum of 40 working days.						
08-BC-VPPD-132-	Practic	al cours	e Protein	Degra	dation in Eukaryote	s for advanced students					
m01	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		P (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method of assessment			log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Modules successfully completed			08-BC, 08-BCP							
	Additional Information			Additional information on module duration: block placement with a duration of a minimum of 40 working days.							
08-BC-VPRB-132-	Practic	al cours	e RNA Bi	ochemistry for advanced students							
m01	ECTS 10 Duratio		n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	-	P (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Method of assessment			log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Module comple		essfully	08-BC, 08-BCP							
	Additio	nal Info	rmation	Additional information on module duration: block placement with a duration of a minimum of 40 working days.							
08-BC-VPSB-132-	Practic	al cours	e Structu	ral Bio	logy for advanced s	tudents					
m01	ECTS	10	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	s		P (no	information on SWS	(weekly contact hours) and course language availa	able)				
	Methoo	l of asse	essment		log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English						
	Module comple		essfully	08-B(	C, 08-BCP						
	Additio	nal Info	rmation	Addit	ional information on	module duration: block placement with a duration	of a minimum	of 40 working days.			

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00 001 092 1101	Biochemistry Lab												
08-BCP-092-m01	ECTS 5 Durati	ion 1 semester Method of grading (not) successfully completed Modul level undergraduate											
	Courses	P (no information on SWS (weekly contact hours) and course language available)											
	Method of assessmen	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester											
	Modules successfully completed	08-BC											
	Participants and allo- cation of places	Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module o8-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.											
08-ACM2-102-m01	Bioinorganic Chemist												
	ECTS 5 Durati												
	Courses	S (no information on SWS (weekly contact hours) and course language available)											
08-OCM-NAT-102-	Modern Aspects of Na	the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English ral Product Chemistry and Biological Chemistry											
m01	ECTS 5 Durati												
	Courses												
		I S (no information on SWS (weekly contact hours) and course language available)											
	Method of assessmen	<ul> <li>S (no information on SWS (weekly contact hours) and course language available)</li> <li>a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course.</li> <li>Language of assessment: German or English</li> </ul>											
		a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course.											
08-HKM1-102-m01	Method of assessmen Participants and allo- cation of places	<ul> <li>a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course.</li> <li>Language of assessment: German or English</li> <li>Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.</li> </ul>											
08-HKM1-102-m01	Method of assessmen Participants and allo- cation of places	<ul> <li>a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course.</li> <li>Language of assessment: German or English</li> <li>Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.</li> </ul>											
08-HKM1-102-m01	Method of assessmen Participants and allo- cation of places Organo- and Biocataly ECTS 5 Durati Courses	<ul> <li>a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral examination in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the beginning of the course.</li> <li>Language of assessment: German or English</li> <li>Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.</li> </ul>											

08-PH-KAC-092-	Clinica	l and Ai	nalytical C	hemis	try			_			
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		V (no	V (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	writte	n examination (12	o minutes)					
08-PH-KACP-092-	Clinical and Analytical Chemistry (practical course)										
m01	ECTS 5 Duratio			ı	1 semester	Method of grading (not) successfully complet	ed Modul level	undergraduate			
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method	d of ass	essment	exam	ination talks (Testa	ate, approx. 15 minutes each), log (approx. 5 to 10	pages)				
08-BC-132-m01	Princip	les of B	iochemis	try							
	ECTS	6	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S			08-BC-1-132: V +	2 module components. Information on courses wi Ü (no information on SWS (weekly contact hours) Ü (no information on SWS (weekly contact hours)	and course langua	ige available)			
	Method of assessment					ule comprises the assessments in the individual r ssful completion of the module will require succes					
				Asses	3 ECTS, Method o written examinati soment in module o 3 ECTS, Method o	component o8-BC-1-132: Principles of Biochemistr of grading: numerical grade on (approx. 60 to 90 minutes) component o8-BC-2-132: Principles of Biochemist of grading: numerical grade on (approx. 60 to 90 minutes)					
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			
	Courses			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							
<b>Functional Materia</b>	ls										
Compulsory Course	es (20 EC	CTS cree	dits)								
08-0CM-FM-102-	-		ional Mate	erials							
m01	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course		Duration	S (no information on SWS (weekly contact hours) and course language available)							
			essment	a) 1 to nation the m ning o	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English						

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08-FMM-MP-102-	Lab Cou	rse Ma	terials Sc	ience							
m01	ECTS	5	Duration	า	1 semester	Method of grading (not) succe	ssfully completed	Modul level	graduate		
	Courses			P (no	P (no information on SWS (weekly contact hours) and course language available)						
	Method	of asse	essment	manc	Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) (15 minutes), assessment of practical perfor- mance, log (5 to 10 pages) Language of assessment: German or English						
08-FMM-PA-102-	Project Work										
m01	ECTS	5	Duration	ı	1 semester	Method of grading (not) succe	ssfully completed	Modul level	graduate		
	Courses			P (no	information on SWS	(weekly contact hours) and cour	se language availa	ble)			
	Method	ofasse	essment		talk (approx. 15 minutes) and log (approx. 15 pages) Language of assessment: German or English						
08-FS1-122-m01	Materia	l Scien	ce 1 (basi	c intro	duction)						
	ECTS	5	Duration	า	1 semester	Method of grading numerical g	grade	Modul level	graduate		
	Courses			V + Ü	no information on S	SWS (weekly contact hours) and o	course language av	ailable)			
				a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minute each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
<b>Compulsory Electiv</b>	es										
08-ACM3-102-m01	Solid state chemistry and inorganic materials										
	ECTS	5	Duration	า	1 semester	Method of grading numerical g	grade	Modul level	graduate		
	Courses			S (no	information on SWS	(weekly contact hours) and cour	se language availa	ble)			
	Method of assessment		essment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) or nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of ass the module coordinator will choose the method to be used for the module component in the current semester at the ning of the course. Language of assessment: German or English					everal methods of assessment,		
08-SCM1-102-m01	Supram	olecula	r Chemis								
	ECTS	5	Duration	า	1 semester	Method of grading numerical g	grade	Modul level	graduate		
	Courses			S (no	information on SWS	(weekly contact hours) and cour	se language availa	ble)			
	Method of assessment										
08-PCM3-102-m01	Nanosca	ale Mat	erials								
	ECTS	5	Duration	า	1 semester	Method of grading numerical g	grade	Modul level	graduate		
	Courses			S + Ü	(no information on S	SWS (weekly contact hours) and o	course language av	ailable)			
	Method	ofasse	essment		n examination (90 n lage of assessment:	ninutes) or oral examination of or German or English	ne candidate each	(20 minutes) or	talk (30 minutes)		

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08-NT-122-m01	Chemic	Chemically and bio-inspired Nanotechnology for Material Synthesis											
	ECTS	5	Duration	۱	1 semester	Method of gradin	g numerical grade		Modul level	graduate			
	Courses	5			08-NT-1-122: V (no	o information on SW	nts. Information on co IS (weekly contact hou VS (weekly contact hou	urs) and cou	ırse language av				
	Method	of asse	essment		ssessment in this module comprises the assessments in the individual module components as specified below. Unle ated otherwise, successful completion of the module will require successful completion of all individual assessments								
				Asses	<ul> <li>Assessment in module component o8-NT-1-122: Sol-Gel Chemistry 1: Fundamentals         <ul> <li>2 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> </ul> </li> <li>Assessment in module component o8-NT-2-122: From Biomineralisation to biologically inspired Materials Synthesis         <ul> <li>3 ECTS, Method of grading: numerical grade</li> <li>a) written examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination (approx. 45 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> </ul></li></ul>								
08-FS2-122-m01					naterial groups)								
	ECTS	5	Duration		1 semester	-	g numerical grade		Modul level	graduate			
	Courses				-		ct hours) and course l		-				
	Method of assessment			a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English									
08-TCM2-132-m01	Computational Chemistry												
	ECTS	5	Duration	า	1 semester	Method of gradin	g numerical grade		Modul level	graduate			
	Courses	5		S + Ü	(no information on	SWS (weekly conta	ct hours) and course l	language av	ailable)				
	Method of assessment					prox. 90 minutes) It: German or Englisł	1						
	other prerequisites				o 15 hours to be s					classes (usually 70% of exercises a maximum of 2 incidents of ab-			
08-FMM-CT-132-	Molecu	lar Mate	erials										
m01	ECTS	5	Duration	۱	1 semester	Method of gradin	g numerical grade		Modul level	graduate			
	Courses	5		V + Ü	(no information on	SWS (weekly conta	ct hours) and course l	language av	ailable)				
	Method	ofasse	essment	tes; 2	written examination	ons: approx. 60 min		examination		examination: approx. 90 minu- te each (approx. 20 minutes) or c)			
	other p	rerequis	sites		o 15 hours to be s					classes (usually 70% of exercises a maximum of 2 incidents of ab-			

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Medicinal Chemistry										
Compulsory Course	Compulsory Courses (10 ECTS credits)									
08-MCM2-132-m01	Pharmaceutical/Medicinal Chemistry									
	ECTS 10	Duratio	n	3 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V + V	+ V (no information o	on SWS (weekly cont	act hours) and course langu	age available)			
	Method of ass	essment		examinations of one age of assessment:		pprox. 30 minutes each)				
<b>Compulsory Electiv</b>	es									
08-ACM2-102-m01	Bioinorganic C	hemistry								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses					irs) and course language ava				
	Method of ass	essment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
08-0CM-NAT-102-	Modern Aspects of Natural Product Chemistry and Biological Chemistry									
m01	ECTS 5	Duratio	n	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 ass	essment	a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English							
	Participants an cation of place	es	Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot.							
08-PH-KAC-092-	Clinical and A	nalytical (	Chemis	try						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses					rs) and course language ava	ilable)			
				written examination (120 minutes)						
08-PH-KACP-092-		nalytical (	Chemis	try (practical course						
m01	ECTS 5	Duratio	~	1 semester		(not) successfully complete		undergraduate		
	Courses		-			rs) and course language ava	-			
	Method of ass	essment	exam	ination talks (Testate	e, approx. 15 minutes	s each), log (approx. 5 to 10 p	pages)			

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08-MCM1-102-m01	Practic	al cours	e medici	nal che	mistry						
	ECTS	10	Duratio	1	1 semester	Method of gradin	g (not) successfully complete	d Modul level	graduate		
	Course	S		P (no	information on SWS	(weekly contact he	ours) and course language ava	ilable)			
	Methoo	d of asse	essment	Vorte perfo		it exams) and Nacl rt (approx. 30 to 50	ntestate (post-experiment exar o pages)		inutes), assessment of practical		
08-0CM-SYNT-132-	Moder	Modern Synthetic Methods									
m01	ECTS	5	Duratio	1	1 semester	Method of gradin	g numerical grade	Modul level	graduate		
	Course	S		S + Ü	(no information on S	SWS (weekly conta	ct hours) and course language	available)			
	Methoo	d of asse	essment	or b) minu	oral examination of c	one candidate eacl	n (approx. 20 minutes) or c) or		ations: approx. 60 minutes each) groups (groups of 2, approx. 30		
	other prerequisites			10 t	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of ab- sence).						
08-BC-MOLM-132-	Molecular Biology										
m01	ECTS	5	Duratio	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses			V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment		essment	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-VPSB-132-	Practical course Structural Biology for advanced students										
m01	ECTS 10 Duration			า	1 semester	Method of gradin	g numerical grade	Modul level	graduate		
	Course	S	•	P (no	information on SWS	(weekly contact he	ours) and course language ava	ilable)	<u>`</u>		
	Method of assessment			log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German or English							
	Module comple	es succe eted	ssfully	08-BC, 08-BCP							
	Additional Information			Addit	ional information on	module duration:	block placement with a duration	on of a minimum (	of 40 working days.		
08-MCM3-132-m01	Princip	les of d	rug desig	'n							
	ECTS	5	Duratio	า	1 semester	Method of gradin	g numerical grade	Modul level	graduate		
	Course	S		S + Ü	(no information on S	WS (weekly conta	ct hours) and course language	available)			
	Method	d of asse	essment		ntation with discuss lage of assessment:						

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<b>Theoretical Chemis</b>	try								
Compulsory Course	es (10 ECTS cred	its)							
08-TCM3-102-m01	Programming i	n Theore	tical Cl	hemistry					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		S + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)		
	Method of asse	essment		letion and discussion and discussion and discussion and the set of assessment and the set of a set of		amming exercises as well as tal	k (approx. 45 m	inutes)	
08-TCM1-132-m01	Theoretical Ch	emistry (	Basics)	usics)					
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		S + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)		
	Method of asse	essment		n examination (app lage of assessment					
	other prerequis	sites		o 15 hours to be s				classes (usually 70% of exercises a maximum of 2 incidents of ab-	
<b>Compulsory Electiv</b> One to two of the fo		s must b	e taker	1: 08-TCAP1, 08-TCA	P2, 08-TCAP3				
08-TCM2-132-m01	Computational	Chemist	ry						
	ECTS 5	Duratio	n	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 asse	essment	written examination (approx. 90 minutes) Language of assessment: German or English						
	other prerequis	sites	Admission prerequisite to assessment: successful completion of exercises in the respective classes (usually 70% of exercises 10 to 15 hours to be successfully completed) as well as regular attendance of exercises (a maximum of 2 incidents of absence).						
08-MCM3-132-m01	Principles of drug design								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses		S + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)		
	Method of assessment presentation with discussion (approx. 30 minutes) Language of assessment: German or English								
08-TCAP1-132-m01	Theoretical Ch	emistry -	Projec	t course wave-pack	et dynamics				
	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Courses		P (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)		
	Method of asse	essment		ntation (approx. 30 lage of assessment					
	Additional Info	rmation	Addit	ional information or	n module duration: 4	weeks.			

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08-ICAP2-132-m01				-	t coursewave function			1		
	ECTS 5 Duration				1 semester		(not) successfully completed		graduate	
	Course	-	_				rs) and course language availa	able)		
	Method	d of ass	essment		ntation (approx. 30					
					age of assessment:					
						module duration: 4	weeks.	_		
08-TCAP3-132-m01					Project course Computational Photochemistry					
	ECTS 5 Duratio		Duration		1 semester	<u> </u>	(not) successfully completed		graduate	
	Course	S		P (no	information on SWS	(weekly contact hou	rs) and course language availa	able)		
	Method	d of ass	essment		ntation (approx. 30					
				-	age of assessment:					
	Additio	onal Info	ormation	Addit	ional information on	on module duration: 4 weeks.				
Courses at partner	universi	ity abro	ad (30 EC	TS cree	dits)					
08-VPU-141-m01	Courses at the partner university									
	ECTS 30 Duratio			า	2 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Course	S		V (no	information on SWS	(weekly contact hou	rs) and course language availa	able)	·	
	Method of assessment			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 cour- se Language of assessment: German or English						
	other p	rerequi	sites	Please consult with course advisory service.						
Thesis (30 ECTS cre	· ·	rerequi	51765	T teus		e advisory service.				
08-MA-132-m01	Master-Thesis									
06-MA-132-1101		· · · · · · · · · · · · · · · · · · ·	1						ana du ata	
		30	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	-			urses assigned	<u> </u>				
	Method	d of ass	essment		n thesis (approx. 60 lage of assessment:					
	other p	rerequi	sites	Where	e applicable, specifi	c modules as specifie	ed by supervisor.			
	Additio	nal Info	rmation	Addit	ional information on	module duration: 6	months.			