

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

= lecture

Examination regulations version: 2026

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

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

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

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

= list of modules

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

Conventions for the modules in this SFB:

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

Information on assessment procedures:

Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

ASP02015

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

??-???-2025 (2025-??)

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

Every module will be described using the following form:

Abbreviation	Module title											
	ECTS		Duration	(in semesters)	Method of grading		Module level					
	Courses		To be spe	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y								
	Method of as	ssessme	ent									
	Only after su completion o		l if applica	if applicable								
	Other prereq	uisites	if applica	if applicable								
	Participants on of places		cati- if applica	if applicable								
	Additional information		on if applica	if applicable								
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teachin	g-degree programmes)						

	three focuses (focuses 1	throug			Sentence 2 FSB (subject-specif	ic provisions)) י	worth 25 ECTS credits each; provi-					
Inorganic Chemistr			in Sect	ion 3 Subsection 2 S	Sentence 8 FSB.								
Compulsory Course	•	•											
08-ACM1-161-m01			mictry										
08-ACM1-101-11101	ECTS 10	Duration		2 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	<u>. </u>	S (3) +		Method of Stading	numerical grade	Modulitevel	Staduate					
	Method of asse	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-ACPM-161-m01	Inorganic Cher	Inorganic Chemistry practical course for advanced											
	ECTS 10	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate					
	Courses			le taught in: German									
	Method of asse	essment			(approx. 20 pages) a German and/or Engl	and talk (approx. 15 minutes) ish							
	Additional Info	rmation	Additi	onal information on	module duration: bl	ock taught lab course with app	rox. 40 working	g days.					
Compulsory Electiv	es (5 ECTS credi	its)											
08-ACM2-242-m01		hemistry											
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses			le taught in: German									
	Method of asse	essment	b) ora c) por	l examination of one tfolio (approx. 30 ho	prox. 45 to 90 minut candidate each (20 urs total) German and/or Engl	to 30 minutes) or							
o8-ACM3-161-mo1	Solid state che	mistry ar	nd inor	ganic materials									
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses		S (3)										
	Method of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										

08-ACMS-211-m01	Special	Special Topics in Inorganic Chemistry												
	ECTS	5	Duration	n [1 semester	Method of gradi	ng numerical grade	Modul level	graduate					
	Courses	 S		S (2) +	· Ü (1)									
	Method	of asse	ssment			(approx. 90 to 180 r								
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or									
					sentation (approx									
				Langu	anguage of assessment: German and/or English									
08-HKM2-161-m01	Advanc	ed orgai	nometall	ic chen	nistry and its app	lication in homoger	eous catalysis							
	ECTS	5	Duration	1	1 semester	Method of gradi	ng numerical grade	Modul level	graduate					
	Courses	S		S (3) Modul	e taught in: Gern	nan or English								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
Organic Chemistry	(25 ECTS	S credits)											
Compulsory Course	s (15 EC	TS credi	ts)											
o8-OCM-SYNT-161-	Modern	Synthe	tic Meth	ods										
m01	ECTS	5	Duration	1 [1 semester	Method of gradi	ng numerical grade	Modul level	graduate					
	Courses	S		S (2) + Ü (1) Module taught in: German or English										
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
08-0CM-AKP1-161-	Advanc	ed Rese	arch Proj	ect Org	ganic Chemistry			,						
mo1	ECTS	10	Duration	1	1 semester	Method of gradi	ng (not) successfully cor	mpleted Modul level	graduate					
	Courses			P (20) Module taught in: German or English										
	Method of assessment			Log (approx. 15 to 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English										

Compulsory Electiv	es (10 ECTS cr	edits)									
08-0CM-BIO-242-	Modern Aspe	cts of Biol	ogical	Chemistry							
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	,	S (3)								
				le taught in: Germai				_			
	Method of as	sessment	a) wri	tten examination (a	pprox. 45 to 90 minut e candidate each (20	to 20 minutes) or					
				c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate)							
			Langu	Language of assessment: German and/or English							
08-0CM-FM-161-	Organic Func	tional Mat	erials								
mo1	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (3)	(3)							
	Method of as	sessment	a) wri	tten examination (a	pprox. 90 to 180 mini	utes) or					
					e candidate each (20						
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or							
				sentation (approx. 3							
					German and/or Engl	ish					
08-0CMS-211-m01	Special Topics in Organic Chemistry										
	ECTS 5	Duratio	,	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (2)	+ Ü (1)							
	Method of as	sessment		a) written examination (approx. 90 to 180 minutes) or							
					e candidate each (20						
				i examination in gro ; (approx. 20 pages)		lates (approx. 15 minu	tes per candidate) or				
				sentation (approx. 3							
					German and/or Engl	ish					
08-HKM1-152-m01	Organo- and	Biocatalys	is								
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (3)								
	Method of as	sessment	a) written examination (approx. 45 to 90 minutes) or								
			b) oral examination of one candidate each (20 to 30 minutes) or								
				c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate)							
			Langi	Language of assessment: German and/or English							

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08-SCM1-161-m01			ar Chemis		1		T					
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)								
					le taught in: Germ	_						
	Method	d of ass	essment			approx. 90 minutes) or						
					al examination of o							
				Langu	Language of assessment: German and/or English							
08-SCM3-152-m01	Bioorg	anic Ch	emistry									
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)								
	Method	d of ass	essment			approx. 45 to 90 minutes) or						
					o) oral examination of one candidate each (20 to 30 minutes) or							
						roups of up to 3 candidates (15 to 30 minutes	per candidate)					
						t: German and/or English						
08-TCM2-161-m01		s and Applications of Quantum Chemistry										
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2) ·	+ Ü (2)							
	Method	d of ass	essment									
					b) oral examination of one candidate each (20 to 30 minutes) or							
						roups of up to 3 candidates (approx. 15 minute	es per candidate) or					
				u) log	g (approx. 20 pages esentation (approx.	o) 01 oo minutes)						
						t: German and/or English						
Physical Chemistry	(25 ECT	S credi	ts)	1 3 -								
Compulsory Course	es (10 EC	TS cred	lits)									
o8-PCM1a-161-	Laser S	pectros	scopy									
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S	•	S (2) -	+ Ü (1)							
				Module taught in: German or English								
	Method	d of ass	essment		tten examination (
				b) oral examination of one candidate each (approx. 20 minutes)								
		,		Langu	lage of assessmen	t: German and/or English						

08-PCM1b-161-	Advar	ced Phy	sical Che	mistry	(Lab)								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Cours	es		P (4) Modu	le taught in: Germar	n or English							
	Metho	od of ass	essment	Vorte	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations)								
						cal performance (2 to German and/or Engl							
	Additi	onal Info	rmation		Additional information on module duration: block taught lab course with approx. 20 working days.								
Compulsory Electiv	es (15	ECTS cre	dits)	•									
08-PCM2-161-m01	Statis	tical Med	chanics a	nd Rea	ction Dynamics								
	ECTS	5	Duratio	,	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses Method of assessment				S (2) + Ü (1) Module taught in: German or English								
	Metho	od of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English									
o8-PCM3-161-mo1	Nanos	Nanoscale Materials											
	ECTS	5	Duratio	,	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours			S (2) + Ü (1) Module taught in: German or English									
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus									
o8-PCM4-242-mo1	Ultraf	ast spect	roscopy	and qu	antum-control								
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	es		S (2) + Ü (1) Module taught in: German or English									
	Method of assessment			a) oral examination of one candidate each (approx. 20 minutes) or b) talk (approx. 30 minutes) or c) portfolio (approx. 50 hours total) Language of assessment: German and/or English									
	other	prerequi	sites	Prior	completion of modu	les 08-PCM1a and 08	3-PCM1b recommended.						

08-PCM5-161-m01	Physica	al Chem	istry of S	upram	olecular Assemblies	;						
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			S (2) + Ü (1) Module taught in: German or English							
	Method	l of asse	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								
08-PCM6-161-m01	Physica	al Chem	istry (Adv	/anced	Lab)							
	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		P (4) Modu	le taught in: Germar	n or English						
	Method	l of asse	essment		resentation (approx. 20 minutes) anguage of assessment: German and/or English							
	Additio	nal Info	rmation	Additi	onal information on	module duration: bl	ock taught lab course with app	rox. 20 working	days.			
08-PCMS-211-m01	Special Topics in Physical Chemistry											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) -	$S(2) + \ddot{U}(1)$							
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
08-TCM4-161-m01	Quantu	m Dyna	mics									
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course			S (2) -								
	Method of assessment				a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							

08-TCM2-161-m01	Basics	and An	Basics and Applications of Quantum Chemistry												
00 TEM2 101 MO1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate						
	Course	S		S (2) -	S (2) + Ü (2)										
				b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
Biochemistry (25 E	CTS cred	lits)													
Compulsory Course	es (15 EC	TS cred	lits)												
08-BC-MOL-222-	Molecular Biology														
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate						
	Course	S	,	V (2) + Ü (1) Module taught in: German											
	Method	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English											

08-BC-MOLP-172-	Molecu	ılar Biol	ogy laboi	atory course									
mo1	ECTS	10	Duration	ı	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	S		P (5)									
	Method	d of asse	essment	a) written examination (approx. 45 to 90 minutes) or									
					b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or								
				d) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or									
						n (on average approx. 2 hours; time to complete	e will vary according to	subject area but will not exceed a					
				maximum of 4 hours)									
				Language of assessment: German and/or English Assessment offered: Once a year, winter semester									
	Particin	oants an	nd allo-		emie (Biochemist			-					
	cation of places			Selec numb avera	Selection process Biochemie (Biochemistry), Bachelor's (180 ECTS credits): 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 modules; among applicants with the same average grade, places will be allocated by								
				lot. Quota 2 (one third 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.									
				Chemie (Chemistry), Master's and MINT-Lehramt PLUS Master's: 6 places. Selection process: 1. Applications of Master's degree programme Chemie (Chemistry) (120 ECTS credits) will be considered first: Places will be allocated according to the number of subject semesters. 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 as they become available. 2. In case that there are places left after procedure 1 is finished completely, theses places will be distributed among the students in the Master's degree programme MINT-Lehramt PLUS as follows: Places will be allocated according to the number of subject semesters. 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 as they become available.									
Compulsory Electiv													
08-BC-FPMC-242-					stry for Master Ch								
mo1	ECTS	10	Duratio		1 semester	Method of grading (not) successfully comp	pleted Modul level	graduate					
	Course			P (10)									
	Method of assessment			Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English									
	Modules successfully completed			o8-BC-MOLP									
	Additio	nal Info	rmation	Addit	ional information	on module duration: block taught lab course w	ith approx. 40 working	days.					

08-BCMS-211-m01	Specia	l Topics	in Bioche	emistry	<i>y</i>		,					
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2)	S (2) + Ü (1)							
	Method	d of asse	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
08-ACM2-242-m01	Bioino	rganic C	hemistry									
	ECTS				1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3) Modu	3) odule taught in: German or English							
	Method	d of asso	essment	b) ora	al examination of or tfolio (approx. 30 h	approx. 45 to 90 minutes) or ne candidate each (20 to 30 minutes) or nours total) t: German and/or English						
08-HKM1-152-m01	Organo	o- and B	iocatalys	S								
	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-0CM-BIO-242-	Moderi	n Aspec	ts of Biolo	ogical	Chemistry							
mo1	ECTS 5 Durati				1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (3) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

08-MCM3-242-	Moderr	Drug F	Research	ı: Basi	cs and Drug Design							
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			S (2) + Ü (1) Module taught in: German or English							
	Method	l of ass	essment	a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes) Language of assessment: German and/or English								
	Particip cation o			numb ven p 6 plac numb 2 plac of sub	16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot. 2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; 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 as they become available.							
08-PH-KAC-152-	Clinical-analytical Chemistry											
mo1	ECTS 5 Duration			n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	5		V (3)	,			•				
	Method	of ass	essment	writte	written examination (approx. 120 minutes)							
Functional Materia	ls (25 EC	TS cred	lits)									
Compulsory Course	es (20 EC	TS cred	lits)									
o8-FMM-MP-161-	Lab Co	ırse Ma	terial Sci	ence								
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			P (8)								
	Method	l of ass	essment	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English								
o8-FMM-PA-161-	Project	Work										
mo1	ECTS 5 Duration			n 1 semester Method of grading (not) successfully completed Modul level graduate								
	Course	S		P (10)								
	Method of assessment			Log (approx. 15 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English								

08-OCM-FM-161-	Organic	Organic Functional Materials												
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate					
	Courses	S		S (3)	-	`		`						
	Method	of ass	essment			(approx. 90 to 180 min								
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
03-FU-PM1-152-	Polyme	r Chem	istry 1 (Le	cture	and Practical Cou	rse)								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	S	·	V (2)	+ P (2)			*						
	Method	l of asso	essment	prox. Langu Asses	a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each prox. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus									
Compulsory Electi	ves (5 EC	TS cred	its)											
o8-FU-Ma-	Material Science 1 (Basic introduction)													
Wi1-212-m01	ECTS	5	Duration	8 8 8					undergraduate					
	Courses	S		V (2)	$V(2) + \ddot{U}(1) + V(2)$									
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
o8-FU-Ma-	Materia	al Scien	ce 2 (The	Mater	ial Groups)									
Wi2-152-m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	S		V (3) + Ü (1)										
	Method	l of asso	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										

08-FU-NT-152-m01	Chemic	cally and	d bio-insp	ired N	anotechnology fo	or Material Synthesis		1					
	ECTS	5	Duration	1	1 semester	Method of grading nu	merical grade	Modul level	undergraduate				
	Course	S		V (4)		<u> </u>							
	Method	d of asse	essment		a) written examination (approx. 90 to 180 minutes) or								
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or								
					presentation (approx. 30 minutes)								
					nguage of assessment: German and/or English								
o8-FU-Mo-	Molecular Materials (Lecture)												
MaV-152-mo1	ECTS	5	Duration	1	1 semester	Method of grading nu	merical grade	Modul level	undergraduate				
	Courses			V (3)	+ S (1)								
	Method	d of asse	essment						each (20 to 30 minutes) or c) oral				
									prox. 20 pages) or e) presentation				
						as well as talk (approx. 30 i		:1					
					ruage of assessment: German and/or English itable for bonus								
03-FU-PM2-222-	Polyme	ers II											
mo1	ECTS 5 Duratio			1	1 semester	Method of grading nu	merical grade	Modul level	graduate				
	Course	S		V (2)	+ P (2)	<u> </u>							
	Method of assessment					(approx. 90 minutes) or							
				b) oral examination of one candidate each (20 to 30 minutes) or									
					c) talk (approx. 30 minutes) Language of assessment: German and/or English								
					Assessment offered: Once a year, winter semester								
					creditable for bonus								
03-FU-DDEL-222-	Nano4	Med											
mo1	ECTS	5	Duration	1	1 semester	Method of grading nu	merical grade	Modul level					
	Course	S		V (1) -	+ Ü (1)								
	Method	d of asse	essment						se / project report / report on				
								iinutes) or written exar	mination (approx. 90 minutes)				
D10	. .			Langi	lage of assessme	nt: German and/or English							
03-BIO- POL-222-m01	Biopoly		15										
1 01-222-11101	ECTS	5	Duration		1 semester	Method of grading nu	merical grade	Modul level					
	Course	S			+ Ü (1) + P (1) ıle taught in: V, Ü	Fnalich							
	Mothod	Mathad of carry						_	-				
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or									
				c) talk (approx. 30 minutes)									
					Language of assessment: English								

08-FMMS-211-m01	Specia	l Topics	in the Fie	eld of F	unctional Materials		1					
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			` ,	$S(2) + \ddot{U}(1)$							
	Method	d of ass	essment	b) ora c) ora d) log e) pre) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English							
08-PCM3-161-m01	Nanos	cale Ma	terials				,					
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S			+ Ü (1) ıle taught in: Germa	n or English						
				a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus								
08-SCM1-161-m01		nolecul	_	try (Basics)								
	ECTS	5	Duratio	,	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3) Modu	S (3) Module taught in: German or English							
	Method	d of ass	essment	b) ora	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English							
08-SCM5-242-m01	Suprar	nolecul	ar Soft Ma	atter			,					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			<u> </u>	+ Ü (1)							
	Method of assessment			a) oral examination of one candidate each (20 to 30 minutes) or b) talk (approx. 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English								

o8-ACM3-161-mo1	Solid s	tate ch	emistry ar	nd inor	ganic materials							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	:S		S (3)								
	Method	d of ass	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) c.anguage of assessment: German and/or English							
Homogeneous Cata	lysis (2	5 ECTS	credits)									
Compulsory Course	s (20 E	CTS cred	dits)									
08-HKM1-152-m01	Organo	o- and B	iocatalys	is								
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			S (3)	3							
	Method	d of ass	essment	b) ora	al examination of or al examination in gro	pprox. 45 to 90 minutes) or se candidate each (20 to 30 minutes) or oups of up to 3 candidates (15 to 30 minutes per ca : German and/or English	ndidate)					
08-HKM2-161-m01	Advanced organometallic chemistry and its application in homogeneous catalysis											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (3) Modu	S (3) Module taught in: German or English							
	Method	d of ass	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
o8-HKM3AC-161-	Practic	al cour	se "Homo	geneo	us catalysis in Inor	ganic Chemistry"						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses			P (6) Module taught in: German or English								
	Method of assessment			report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English								

o8-HKM3OC-161-	Practic	al cours	se "Homo	geneo	us catalysis in Org	ganic Chemistry"		,	1			
mo1	ECTS	5	Duration	1	1 semester	Method of grading (n	ot) successfully completed	Modul level	graduate			
	Course	S		P (6) Modu	(6) Iodule taught in: German or English							
	Method	d of ass	essment			se (approx. 10 pages) and nt: German and/or English	l talk (approx. 15 minutes)					
Compulsory Electiv	es (5 EC	TS cred	its)									
o8-HKM4-161-mo1			-	tal che	mistry							
·	ECTS	5	Duration	<u> </u>	1 semester	Method of grading nu	ımerical grade	Modul level	graduate			
	Course	S	-1	S (3)	•			•	_			
	Method	d of ass	essment	b) ora	written examination (approx. 90 to 180 minutes) or oral examination of one candidate each (20 to 30 minutes) or oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or							
				e) pre	log (approx. 20 pages) or presentation (approx. 30 minutes) anguage of assessment: German and/or English							
08-HKM5-262-m01	Sustair	nability	in chemis	stry								
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level				
	Course	S		S (2) - Modu	+ Ü (1) le taught in: Engli	sh						
	Method	d of ass	essment	b) por	tten examination (tfolio (approx. 40 lage of assessmer) or					
08-HKMS-211-m01	Specia	l Topics	in Homo					,	'			
	ECTS	5	Duration		1 semester	Method of grading nu	ımerical grade	Modul level	graduate			
	Course	S		S (2) -	+ Ü (1)			•				
				b) ora c) ora d) log e) pre Langu	I examination of o I examination in g (approx. 20 pages sentation (approx lage of assessmer	s) or	30 minutes) or es (approx. 15 minutes per c	andidate) or				
08-PCM2-161-m01	Statist	ical Me	chanics a	nd Rea	ction Dynamics							
	ECTS	5	Duration		1 semester	Method of grading nu	umerical grade	Modul level	graduate			
	Course	S		S (2) - Modu	+ Ü (1) le taught in: Germ	an or English						
	Method of assessment		essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								
Master's with 1 major Che							IMII Wiirzhurg • generated 25-Nov-20	aar • ayam rag data	wasand Oolaaal I IIIIaaa (nage 17 / 66		

08-OCM-SYNT-161-	Modern	Synthe	tic Meth	ods								
mo1	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (2) - Modu	+ Ü (1) le taught in: Germa	n or English	<u>-</u>					
				b) ora c) ora d) log e) pre) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English							
08-TCM2-161-m01	Basics a	and App	lications	of Qu	antum Chemistry							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses) + Ü (2)							
				b) ora c) ora d) log e) pre Langu) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English							
03-FU-PM1-152-					and Practical Cours							
mo1	ECTS	ECTS 5 Duratio			1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V (2) -								
	Method	of asse	essment	prox. Langu Asses	a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log ap prox. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus							
Medicinal Chemist	ry (25 EC	TS cred	its)									
Compulsory Course	es (15 EC1	TS credi	ts)									
08-MCM1-161-m01	Practica	l cours	e medicir	al che	mistry							
	ECTS	10	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	j		P (10) Modu	le taught in: Germa	n or English						
	Method of assessment				Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) as well as report (30 to 50 pages) Language of assessment: German and/or English							

o8-MCM3-242-	Moder	Modern Drug Research 1: Basics and Drug Design											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (2) · Modu	+ Ü (1) lle taught in: Germa	ın or English							
	Method	d of ass	essment	a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes) Language of assessment: German and/or English									
	cation	oants ar of place	S	numb ven p 6 plac numb 2 plac of sub	16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot. 2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; 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 as they become available.								
Compulsory Elective													
08-MCM2a-161-		aceutica	ıl/Medicii		emistry 1								
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			V (3)	_								
	Method of assessment			b) ora c) ora d) log e) pre	b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
08-0CM-BIO-242-	Moder	n Aspec	ts of Biolo	gical	gical Chemistry								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (3) Modu	lle taught in: Germa	n or English							
	Method	d of asso		b) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-MCM4-242-	Moder	n Drug R	Research :	2: Tech	nologies - Targets	- Modalities							
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) Module taught in: German or English									
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Language of assessment: German and/or English									
Master's with 1 major Ch	emistry (20:	26)					JMU Würzburg • generated 25-Nov-2	025 • exam. reg. data ı	record 88 032 - - H 2026 page 19 / 66				

08-MCMS-211-m01	Specia	l Topics	in Medici	inal Ch	emistry		"					
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S	·	S (2) -	+ Ü (1)	·						
	Method	d of ass	essment	b) ora c) ora d) log e) pre) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English							
08-MBC-MSP-161-	Mass-S	Spectro	metry and	Prote	omics		,					
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S			(2) + S (1) + P (2) lodule taught in: German or English							
				a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
	cation	of place			67 places.							
08-MCM2b-161-	Pharm	aceutic	tical/Medicinal Chemistry 2									
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S		V (3)								
	Method	t c c			Il examination of o I examination in gr (approx. 20 pages sentation (approx		tes per candidate) or					
08-PH-KAC-152-	Clinica	l-analy	tical Chem	istry								
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S		V (3)								
	Method of assessment			writte	n examination (ap	prox. 120 minutes)						

Supramolecular Ch	emistry (25 ECTS	credits)									
Compulsory Course	s (10 ECTS credit	s)									
08-SCM1-161-m01	Supramolecular	Chemis	try (Basics)								
	ECTS 5	Duration	ı 1 se	mester	Method of grading numerical grade	Modul level	graduate				
	Courses		S (3) Module tau	ıght in: Germa							
			b) oral example (a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English							
08-SCM2-242-m01				y (Practical Course)							
	ECTS 5	Duration		mester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses		P (6) Module tau	ıght in: Germa	an or English						
	Method of asses	ssment	and assess	ment of pract	(pre and post-experiment examination talks approx. tical performance (2 to 4 random examinations) t: German and/or English	15 minutes eac	h, log approx. 5 to 10 pages each)				
Compulsory Electiv	es (15 ECTS credi	ts)									
08-SCM3-152-m01	Bioorganic Cher	nistry									
	ECTS 5	Duration	1 se	mester	Method of grading numerical grade	Modul level	graduate				
	Courses		S (3)								
	Method of asses	ssment	b) oral exam c) oral exam	mination of or nination in gr	approx. 45 to 90 minutes) or ne candidate each (20 to 30 minutes) or oups of up to 3 candidates (15 to 30 minutes per car t: German and/or English	ndidate)					
08-SCM4-242-m01	Supramolecular	Chemis	try (Advanc	ed Lab)							
	ECTS 5	Duration		mester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses		P (6) Module tau	ıght in: Germa	an or English						
	Method of asses	ssment		on (approx. 20 of assessmen	o minutes) t: German and/or English						
	Additional Inform	nation	Additional	information o	n module duration: block taught lab course with app	orox. 20 working	days.				
08-SCM5-242-m01	Supramolecular Soft Matter										
	ECTS 5	Duration	n 1 se	mester	Method of grading numerical grade	Modul level	graduate				
	Courses		S (2) + Ü (1))							
	Method of asses	ssment	b) talk (app c) portfolio	orox. 30 minu (approx. 30 h							

08-SCMS-211-m01	Specia	l Topics	in Supra	molecu	ılar Chemistry			-			
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S (2) ·	+ Ü (1)		•				
	Method	d of ass	essment	b) ora c) ora d) log e) pre	al examination of or l examination in gr g (approx. 20 pages esentation (approx.		es per candidate) or				
08-PCM5-161-m01	Physic	al Chen	nistry of S	upram	olecular Assemblie	25					
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S) + Ü (1) dule taught in: German or English						
	Method	d of ass	essment	b) ora c) tall	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English						
08-ACM2-242-m01	Bioino	rganic (Chemistry				'				
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		S (3) Modu	lle taught in: Germa	an or English					
	Method	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English							
08-TCM2-161-m01	Basics	and Ap	plications	of Qu	antum Chemistry						
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			<u> </u>	+ Ü (2)						
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							

08-0CM-FM-161-	Organi	c Functi	onal Mat	erials								
mo1	ECTS	5	Duratio	า	1 semester	Method of grading numerical gra	de	Modul level	graduate			
	Course	S	•	S (3)								
	Method	d of ass	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
08-PCM3-161-m01	Nanos	ale Ma	terials			oe.man ana, o. angon						
		5	Duration	 1	1 semester	Method of grading numerical gra	de	Modul level	graduate			
	Course	S		S (2) - Modu	+ Ü (1) le taught in: Germa	n or English						
	Method	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus								
03-FU-PM2-222-	Polymers II											
mo1	ECTS 5 Duratio			1	1 semester	Method of grading numerical gra	de	Modul level	graduate			
	Course	S		V (2) -	+ P (2)							
	Method of assessment			b) ora c) talk Langu Asses	l examination of on a (approx. 30 minute age of assessment:	e candidate each (20 to 30 minutes)) or					
o8-FU-Mo-	Molecu	ılar Mat	erials (Le	cture)								
MaV-152-mo1	ECTS	5	Duratio		1 semester	Method of grading numerical gra	de	Modul level	undergraduate			
	Course	S		V (3) -								
	Method	d of ass	essment	exam (appro Langu	ination in groups of ox. 30 minutes)] as	approx. 90 to 180 minutes) or b) oral up to 3 candidates (approx. 15 minu well as talk (approx. 30 minutes), w German and/or English	utes per candidat	one candidate te) or d) log (ap	each (20 to 30 minutes) or c) oral oprox. 20 pages) or e) presentation			

Theoretical Chemis	try (25 EC	TS credits)							
Compulsory Course	es (15 ECT:	S credits)							
08-TCM2-161-m01	Basics a	nd Applications	of Quantum Chemistry						
	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses	,	S (2) + Ü (2)						
			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
08-TCM3-161-m01	Numerica	al Methods and	Programming						
	ECTS 5	Duratio		Method of grading numerical grade	Modul level	graduate			
	Courses		S (2) + Ü (2)						
			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
08-TCM4-161-m01		n Dynamics							
	ECTS 5	Duratio		Method of grading numerical grade	Modul level	graduate			
	Courses		S (2) + Ü (2)						
	Method (of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
Compulsory Electiv	es (10 EC	TS credits)							
08-TCM1-161-m01	Selected	Topics in Theo	retical Chemistry						
	ECTS 5	5 Duratio	n 1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses		S (2) + Ü (2)						
	Method	of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						

08-TCAP1-161-m01	Theoret	tical Ch	emistry -	Projec	t course quantum ch	nemistry					
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses	S		P (5)	•						
	Method	of ass	essment	presentation (approx. 30 minutes)							
	Additional Information			Language of assessment: German and/or English Additional information on module duration: block taught lab course with approx. 20 working days.							
							ock taught lab course with app	rox. 20 working	g days.		
08-TCAP2-161-m01					Project course quantum dynamics						
		5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses			P (5)							
	Method	d of ass	essment		ntation (approx. 30 rage of assessment:	minutes) German and/or Engl	ish				
	Additio	tional Information Additional information on module duration: block taught lab course with approx. 20 working days.						g days.			
08-TCMS-211-m01	Special	l Topics	in Theore	etical (Chemistry						
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		S (2)	+ Ü (1)						
				b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
08-MCM3-242-	Modern	n Drug F	Research :	1: Basics and Drug Design							
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	S		S (2) + Ü (1) Module taught in: German or English							
	Method of assessment										
	Participants and allocation of places				22 places. 16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot. 2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; 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 as they become available.						

Compulsory Electives 2 (15 ECTS credits) Subfield Additional qualifications Compulsory Electives Focuses (5-10 ECTS credits) In the sub-area "Zusätzliche Kompetenzen aus den Schwerpunkten" ("Additional Skills from the Focus Area"), students may use a module of their choice from the Focus area that they are not using in the area of mandatory electives 1. 08-ACM1-161-m01 | Advanced Inorganic Chemistry **ECTS** 10 Duration 2 semester Method of grading | numerical grade Modul level graduate Courses S(3) + S(3)Method of assessment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 08-ACPM-161-m01 | Inorganic Chemistry practical course for advanced **ECTS** 10 Duration 1 semester Method of grading (not) successfully completed Modul level graduate P (24) Courses Module taught in: German or English report on practical course (approx. 20 pages) and talk (approx. 15 minutes) Method of assessment Language of assessment: German and/or English Additional Information | Additional information on module duration: block taught lab course with approx. 40 working days. 08-ACMS-211-m01 Special Topics in Inorganic Chemistry **ECTS** Duration 1 semester Method of grading | numerical grade Modul level graduate $S(2) + \ddot{U}(1)$ Courses Method of assessment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English 08-OCM-AKP1-161- Advanced Research Project Organic Chemistry mo1 Method of grading (not) successfully completed **ECTS** 10 Duration 1 semester Modul level graduate Courses P (20) Module taught in: German or English

Log (approx. 15 to 20 pages) and talk (approx. 15 minutes)

Language of assessment: German and/or English

Method of assessment

08-0CMS-211-m01	Special	Topics	in Organi	ic Che	mistry		'						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	5		S (2) ·	+ Ü (1)	•	•						
	Method	l of asse	essment		written examination (approx. 90 to 180 minutes) or								
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
o8-PCM1a-161-	Laser Spectroscopy												
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	S		S (2) ·	+ Ü (1)								
				Modu	lodule taught in: German or English								
	Method	l of asse	essment			prox. 90 minutes) or							
						e candidate each (approx. 20 minutes)							
08-PCM1b-161-	Advene	ad Dhyr	sical Char		nguage of assessment: German and/or English								
08-PCM1D-161-			Duration		<u> </u>	Mothed of grading (not) successfully com	npleted Modul level	graduato					
		5	<u> </u>		1 semester	Method of grading (not) successfully com	ipieiea Modul ievei	graduate					
	Courses	5		P (4) Modu	Module taught in: German or English								
	Method	l of asse			Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each)								
				and assessment of practical performance (2 to 4 random examinations)									
				Language of assessment: German and/or English									
	Additio	nal Info	rmation	Additional information on module duration: block taught lab course with approx. 20 working days.									
o8-PCM6-161-mo1	Physical Chemistry (Advanced Lab)												
	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully com	npleted Modul level	graduate					
	Courses	S		P (4)			,						
				Module taught in: German or English									
	Method	l of asse	essment	presentation (approx. 20 minutes)									
	A 1 1:1:	11.6	···	Language of assessment: German and/or English									
o DCMC					Additional information on module duration: block taught lab course with approx. 20 working days.								
08-PCMS-211-m01			in Physic		1			1					
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses				S (2) + Ü (1)								
	Method	l of asse	essment	a) wri	tten examination (ap	pprox. 90 to 180 minutes) or							
				b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or									
				e) pre	e) presentation (approx. 30 minutes)								
				Langu	age of assessment:	German and/or English							
Master's with 1 major Ch	omistry (200	(6)				IMII Würzburg • ganaratad	1 25-Nov-2025 • exam. reg. data	record 88 032 - - H 2026 nage 27 / 66					

08-PCM4-242-m01	Ultrafas	st spect	roscopy	and qu	antum-control							
	ECTS	ECTS 5 Duration		n 1 semester		Method of grading	numerical grade	Modul level	graduate			
	Courses				S (2) + Ü (1) Module taught in: German or English							
	Method of assessment			a) oral examination of one candidate each (approx. 20 minutes) or b) talk (approx. 30 minutes) or c) portfolio (approx. 50 hours total) Language of assessment: German and/or English								
	other p	rerequis	sites	Prior o	Prior completion of modules o8-PCM1a and o8-PCM1b recommended.							
08-BC-MOL-222-	Molecular Biology											
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V (2) + Ü (1) Module taught in: German								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English								

08-BC-MOLP-172-	Molecu	ılar Biology	y laborate	ory course						
mo1	ECTS	10 D	uration	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S	Р	(5)						
	Method	d of assess	ment a) b) c) d) e) f) m	a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
		oants and a	Sini av lo	umber of available playerage grade of succept. Quota 2 (one third umber of subject seme available. The programme Chemier of subject semester aiting list will be maited mind.	chemie (Biochemistry), Bachelor's (180 ECTS creditaces, places will be allocated according to the foressfully completed modules; among applicants who of places): number of subject semesters of the reflecters, places will be allocated by lot. A waiting laster's and MINT-Lehramt PLUS Master's: 6 placed (Chemistry) (120 ECTS credits) will be considered. Among applicants with the same number of sometimed and places re-allocated by lot as they be hed completely, theses places will be distributed as follows: Places will be allocated according to of subject semesters, places will be allocated by	ollowing quotas: Quot with the same average espective applicant; a list will be maintaine es. Selection process red first: Places will b subject semesters, pla come available. 2. In I among the students of the number of subje	a 1 (two thirds of places): current e grade, places will be allocated by among applicants with the same d and places re-allocated as they 1. Applications of Master's dee allocated according to the numbers will be allocated by lot. A case that there are places left afin the Master's degree programent sect semesters. Among applicants			
08-BC-FPMC-242-	Resear	ch Internsl	hip Bioch	emistry for Master C	hemistry	'				
mo1	ECTS	10 D	uration	1 semester	Method of grading (not) successfully comp	leted Modul level	graduate			
	Course	S	P	(10)		,				
				Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English						
	Modules successfully completed			o8-BC-MOLP						
	Additio	nal Inform	ation A	dditional information	on module duration: block taught lab course wit	th approx. 40 working	g days.			

08-BCMS-211-m01	Special	l Topics	in Bioche	mistry	1	,			·		
	ECTS	5	Duration		1 semester	Method of grading	g numerical grade	Modul level	graduate		
	Courses	s		S (2) -	+ Ü (1)	•	•	•	•		
	Method	d of asse		b) ora) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or						
				d) log e) pre Langu	oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or l) log (approx. 20 pages) or e) presentation (approx. 30 minutes) anguage of assessment: German and/or English						
08-FMM-MP-161-	Lab Cou	urse Mat	erial Sci	ence					_		
mo1	ECTS	5	Duration	l	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses	S		P (8)							
	Method	d of asse		and a	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English						
08-FMM-PA-161-	Project	Work									
mo1	ECTS	5	Duration		1 semester	Method of grading	g (not) successfully completed	Modul level	graduate		
	Courses	5		P (10)				·			
	Method	d of asse				ınd talk (approx. 15 n t: German and/or En					
03-BIO-	Biopolymers										
POL-222-m01			Duration		1 semester	Method of grading	numerical grade	Modul level			
	Courses	S		V (2) + Ü (1) + P (1) Module taught in: V, Ü: English							
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) talk (approx. 30 minutes) Language of assessment: English							
08-FU-NT-152-m01	Chemic	ally and	bio-insp	ired N	anotechnology for	Material Synthesis					
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	S		V (4)							
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							

08-ACM3-161-m01	Solid s	tate ch	emistry ar	nd inor	ganic materials		1	-						
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate						
	Course	S		S (3)										
	Method	d of ass	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
o8-FU-Ma-	Materia	al Scien	ce 1 (Basi	c intro	duction)									
Wi1-212-m01	ECTS	5	Duratio	า	2 semester	Method of grading numerical grade	Modul level	undergraduate						
	Course	:S		V (2)	+ Ü (1) + V (2)		ν	-						
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
o8-FU-Ma-	Materia	Material Science 2 (The Material Groups)												
Wi2-152-m01	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate						
	Course	:S		V (3) ·	+ Ü (1)									
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
03-FU-DDEL-222-	Nano4	Med												
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level							
	Course	·S		V (1) -	+ Ü (1)									
	Method	d of ass	essment	techn	a) placement report / fieldwork report / report on practical training / report on practical course / project report / report on technical course (approx. 10 pages) and b) presentation (approx. 30 minutes) or written examination (approx. 90 minutes) Language of assessment: German and/or English									

08-FMMS-211-m01	Specia	l Topics	in the Fie	ld of F	unctional Materia	ıls	,						
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		S (2) +	+ Ü (1)	·							
	Metho	d of ass	essment	a) writ	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
				c) oral d) log e) pre									
08-HKM1-152-m01	Organ	o- and E	Biocatalysi	İS			'						
	ECTS	5	Duration	ı	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	es		S (3)									
	Method of assessment			b) ora c) oral	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) c. anguage of assessment: German and/or English								
o8-HKM3AC-161-	Practical course "Homogeneous catalysis in Inorganic Chemistry"												
mo1	ECTS 5 Duration			1	1 semester	Method of grading (not) successfully comple	eted Modul level	graduate					
	Courses			P (6) Modu	Module taught in: German or English								
	Method of assessment				report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English								
o8-HKM3OC-161-	Practio	Practical course "Homogeneous catalysis in Organic Chemistry"											
mo1	ECTS	5	Duration	l	1 semester	Method of grading (not) successfully comple	eted Modul level	graduate					
	Course				le taught in: Gern								
	Metho	d of ass	essment			rse (approx. 10 pages) and talk (approx. 15 minutent: German and/or English	es)						
08-HKM2-161-m01	Advan	ced org	anometall	ic chen	nistry and its app	lication in homogeneous catalysis							
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			S (3) Modu	S (3) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									

08-0CM-SYNT-161-	Modern Synthe	tic Meth	ods		'							
mo1	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) + Ü (1) Module taught in: German or English								
	Method of asse	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
03-FU-PM1-152-	Polymer Chemistry 1 (Lecture and Practical Course)											
mo1	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses		V (2) -	+ P (2)								
			a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus									
08-HKMS-211-m01	Special Topics in Homogeneous Catalysis											
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (2) -									
	Method of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-HKM4-161-m01	Advanced trans	ition me	tal che	mistry								
	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (3)									
	Method of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									

08-PCM2-161-m01	Statistical Mechanics and Reaction Dynamics											
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			(2) + Ü (1)							
					Module taught in: German or English							
	Method	d of asso				approx. 90 minutes) or						
					o) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) c.anguage of assessment: German and/or English							
08-MCM1-161-m01	Practical course medicinal chemistry											
	ECTS	10	Duration	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		P (10) Modu	le taught in: Germa	an or English						
	Method	d of asso		and a	ssessment of pract	(pre and post-experiment examination talks approx. ical assignments (2 to 4 random examinations) as w t: German and/or English						
08-PH-KAC-152-	Clinica	l-analyt	ical Chem	istry	•							
mo1	ECTS 5 Duratio			1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (3)								
	Method of assessment written examination (approx. 120 minutes)											
o8-MBC-MSP-161-	Mass-Spectrometry and Proteomics											
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course			V (2) + S (1) + P (2) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		oants ar of place		67 pla	aces.							
08-OCM-BIO-242-	Modern	n Aspec	ts of Biolo	gical	Chemistry							
mo1	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

o8-MCM4-242-	Moder	n Drug F	Research	2: Tech	nologies - Targets	- Modalities		-					
mo1	ECTS	5	Duratio	n 1 semester		Method of grading numerical grade	Modul level	graduate					
	Course	S		S (2) Modu	S (2) Module taught in: German or English								
	Method	d of ass	essment	b) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Language of assessment: German and/or English								
08-MCM2a-161-	Pharma	aceutica	al/Medici	nal Ch	emistry 1								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	:S		V (3)			•						
	Method	d of ass	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
08-MCM2b-161-	Pharma	Pharmaceutical/Medicinal Chemistry 2											
mo1	ECTS 5 Duration			n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	:S		V (3)									
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-MCMS-211-m01	Specia	l Topics	in Medic	inal Ch	nemistry								
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (2)	G (2) + Ü (1)								
	Method of assessment				a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								

08-SCM1-161-m01	Supram	olecula	ar Chemis	try (Ba	try (Basics)										
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	5		S (3)	le taught in: Germa	an ar English									
	Mothod	of acc	essment												
	Method	01 a550	essment	b) ora	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English										
08-SCM2-242-m01	Supram	Supramolecular Chemistry (Practical Course)													
	ECTS	5	Duration	n	1 semester	Method of grading (not) successfully co	mpleted Modul level	graduate							
	Courses	5		P (6) Modu	le taught in: Germ	an or English									
	Method	of asso	essment	and a	ssessment of prac	(pre and post-experiment examination talks tical performance (2 to 4 random examinatio t: German and/or English		h, log approx. 5 to 10 pages each)							
08-ACM2-242-m01	Bioinorg	ganic C	hemistry												
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	5		S (3) Modu	le taught in: Germa	an or English									
	Method	of asso	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English											
08-SCM3-152-m01	Bioorga	nic Che	emistry												
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	5		S (3)											
				a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English											
08-SCM4-242-m01	Supram	olecula	ar Chemis	try (Ac	lvanced Lab)										
	ECTS 5 Duratio				1 semester	Method of grading (not) successfully co	mpleted Modul level	graduate							
	Courses	5		P (6) Modu	le taught in: Germa	an or English									
	Method	of asso	essment		ntation (approx. 20 lage of assessmen	o minutes) t: German and/or English									
	Addition	nal Info	rmation	Addit	ional information o	on module duration: block taught lab course	with approx. 20 working	g days.							

o8-FU-Mo-	Molecu	lar Mat	erials (Le	cture)			,					
MaV-152-mo1	ECTS	5	Duratio	n .	1 semester	Method of grading numerical grade	Modul level	undergraduate				
	Course	S		V (3) -	/ (3) + S (1)							
			essment	exam (appr Langu	[a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes)] as well as talk (approx. 30 minutes), weighted 3:1 Language of assessment: German and/or English creditable for bonus							
08-PCM3-161-m01	Nanoso	ale Ma	terials									
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				+ Ü (1) le taught in: Germa	n or English						
	Method	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus								
08-0CM-FM-161-	Organi	c Functi	onal Mat	erials								
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)								
				b) ora c) ora d) log e) pre Langu	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
o8-PCM5-161-mo1		al Chem	istry of S	upram	olecular Assemblie							
	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				S (2) + Ü (1) Module taught in: German or English							
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								

03-FU-PM2-222-	Polyme	Polymers II											
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		V (2)	+ P (2)								
	Method	d of asso	essment	b) ora c) tall Langu Asses) written examination (approx. 90 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) talk (approx. 30 minutes) anguage of assessment: German and/or English assessment offered: Once a year, winter semester reditable for bonus								
08-SCMS-211-m01	Specia	l Topics	in Supra	molecı	ılar Chemistry		'						
	ECTS 5 Duratio			า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (2)	+ Ü (1)								
	Method of assessment			b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
08-SCM5-242-m01	Supramolecular Soft Matter												
	ECTS 5 Duratio			n	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (2)	+ Ü (1)								
	Method of assessment				a) oral examination of one candidate each (20 to 30 minutes) or b) talk (approx. 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English								
08-TCM2-161-m01	Basics	and App	plications	of Qu	antum Chemistry								
	ECTS	5	Duration	า	1 semester	Method of grading numerical grade	Modul level	graduate					
	Course	S		S (2)	+ Ü (2)								
	Method of assessment			b) ora c) ora d) log e) pre	tten examination (all examination of oal examination of oal examination in granges (approx. 20 pages esentation (approx. age of assessmen								

08-TCM3-161-m01	Numerical	Numerical Methods and Programming												
_	ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses	•	S (2) -	+ Ü (2)			•							
	Method of	assessment	a) wri) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or										
				e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
08-TCM4-161-m01	Quantum I	Dynamics												
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses	·	S (2) ·	+ Ü (2)	·									
	Method of	assessment			pprox. 90 to 180 minu									
			b) oral examination of one candidate each (20 to 30 minutes) or											
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or										
				sentation (approx.										
				uage of assessment										
08-TCM1-161-m01	Selected T	opics in Theo	retical	Chemistry			,							
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate						
	Courses		S (2) ·	+ Ü (2)										
	Method of	assessment	a) wri	tten examination (a	pprox. 90 to 180 minu	ites) or								
			b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or											
				i examination in gro ; (approx. 20 pages)										
			e) presentation (approx. 30 minutes) Language of assessment: German and/or English											

o8-MCM3-242-	Modern Drug Research 1: Basics and Drug Design												
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses	5		S (2) -		an an English	,						
					le taught in: Germ			_					
	Method	of asse		a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes)									
					Language of assessment: German and/or English								
	Particip			22 pla									
	cation o	of place	S	numb ven p	16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration.								
				numb	6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot.								
				of sub	places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number f subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot; a waiting								
					st will be maintained and places re-allocated by lot as they become available.								
					hemistry								
		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate					
	Courses			S (2) -									
	Method	of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or									
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or									
				d) log (approx. 20 pages) or									
				e) presentation (approx. 30 minutes)									
				Language of assessment: German and/or English									
08-TCAP1-161-m01			<u>_</u>		t course quantum	. .							
	ECTS	5	Duration		1 semester	Method of grading (not) successfully comple	eted Modul level	graduate					
	Courses			P (5)									
	Method	of asse	essment	presentation (approx. 30 minutes) Language of assessment: German and/or English									
	Addition	nal Info	rmation	Addit	onal information o	on module duration: block taught lab course with	n approx. 20 working	g days.					
08-TCAP2-161-m01	Theoret	ical Ch	emistry -	Projec	t course quantum	dynamics	,						
	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully comple	eted Modul level	graduate					
	Courses			P (5)									
	Method of assessment			presentation (approx. 30 minutes) Language of assessment: German and/or English									
	Additional Information			Additional information on module duration: block taught lab course with approx. 20 working days.									

Subfield Other add	itional q	ualifica	tions (5-1	o ECT	credits)							
08-WRM1-161-m01	Tutorin	g 1 (pra	ctical cou	ırse)								
	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully cor	mpleted	Modul level	graduate		
	Courses	S	•	T (3)	Γ(3)							
	Method	l of asse	essment		utoring activities, (preparation of status and/or wrap-up reports, approx. 100 hours total) anguage of assessment: German and/or English							
	other p	rerequis	sites		t is not permitted to use activities performed under a research assistant contract for this module. The tutorial must accompany a different course than the tutorial held in module o8-WRM1.							
08-WRM2-161-m01	Tutorin	g 2 (pra	ctical co	urse)					-			
	ECTS	ECTS 5 Duratio		n	1 semester	Method of grading	(not) successfully cor	mpleted	Modul level	graduate		
	Courses	S	-	T (3)	•	•			-			
	Method	l of asse	essment		Tutoring activities, (preparation of status and/or wrap-up reports, approx. 100 hours total) Language of assessment: German and/or English							
	other p	It is not permitted to use activities performed under a research assistant contract for this module. The tutorial must accompany a different course than the tutorial held in module o8-WRM1.							dule. The tutorial must accompa-			
08-APM1-161-m01	Foreign Studies (short)											
	ECTS 5 Duratio			n	1 semester	Method of grading	(not) successfully cor	mpleted	Modul level	graduate		
	Courses	S		P (o) Modu	P (o) Module taught in: German and/or English and potentially language of the respective country							
	Method	l of asse	essment	b) tal	a) report (10 to 20 pages) or b) talk (10 to 20 minutes) Language of assessment: German and/or English and potentially language of the respective country							
	other p	rerequis	sites		ot be combined with		· · · · · · · · · · · · · · · · · · ·	<u> </u>				
			rmation	Addit	ional information on	module duration: bl	ock placement abroad	d with a di	uration of no le	ess than 20 working days.		
08-APM2-161-m01	Foreign	Studie	s (long)						1			
	ECTS	10	Duration	n	1 semester	Method of grading	(not) successfully cor	mpleted	Modul level	graduate		
	Courses Method of assessment			P (o) Modu	le taught in: Germar	n and/or English and	potentially language o	of the resp	pective country	,		
				a) report (15 to 30 pages) or b) talk (15 to 30 minutes) Language of assessment: German and/or English and potentially language of the respective country						country		
	other p	ner prerequisites May not be combined with o8-APM1.										
	Additional Information			Additional information on module duration: block placement abroad with a duration of no less than 40 working days.								

08-CHPM1-161-	Chemis	stry-rela	ated comp	etenc	es outside of the Na	tural Sciences						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		No courses assigned to module Course(s) as specified by respective institution								
					a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
	other p					se advisory service in	advance.	1				
08-CHPM2-161-					es within the Natura			1				
mo1		ECTS 5 Duratio			1 semester		(not) successfully completed	Modul level	graduate			
	Course	S			No courses assigned to module Course(s) as specified by respective institution							
	Method				a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
	other p	rerequi	sites	Pleas	Please consult with course advisory service in advance.							
o8-CHPM3-161-	Chemis	stry-rela	ated comp	etenc	es outside of the Na	tural Sciences acqui	red abroad					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		No courses assigned to module Course(s) as specified by respective institution Module taught in: German and/or English and potentially language of the respective country								
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English and potentially language of the respective country								
	other p	rerequi	sites	Pleas	e consult with cours	se advisory service in	advance.					

08-CHPM4-161-	Chemi	Chemistry-related competences within the Natural Sciences acquired abroad											
mo1	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	es			ourses assigned to								
					Course(s) as specified by respective institution								
					Module taught in: German and/or English and potentially language of the respective country								
	Metho	d of ass	sessment		a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or								
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or									
					e) presentation (approx. 30 minutes)								
		_			Language of assessment: German and/or English and potentially language of the respective country								
		orerequ	isites	Pleas	se consult with cou	rse advisory service i	n advance.						
Thesis (30 ECTS c	redits)												
08-MA-161-m01		r-Thesis	s Chemistr										
	ECTS	30	Duration		1 semester		numerical grade	Modul level	graduate				
	Course	es			lo courses assigned to module								
	Metho	d of ass	sessment		er's thesis (approx								
						t: German and/or En			_				
		orerequ				ific modules as speci	fied by supervisor.						
				Time to complete: 6 months.									
Compulsory Cours	ses (doub	ble degi	ree) (35 EC	TS cre	edits)								
Subfield Courses	at partne	er unive	rsity abroa	ad (5 E	CTS credits)								
03-TR-152-m01	Toxico	logy an	d legal stu	udies									
	ECTS	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	es		V (1)	+ V (1)								
	Metho	d of ass	sessment	writte	en examination (ap	prox. 90 minutes)							
	Additio	onal Inf	ormation	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter g) and i) and No. II 1st letter d) of annex 1 to									
				the APOLmCh and No. 5 and 6 of annex 3 to the APOLmCh									
	Referre	ed to in	LPO I	§ 22 Nr. 1 h)									
					§ 22 Nr. 2 f)								
08-VPM-DA-161-	Advan	ced che	mical prac		§ 22 Nr. 3 f)								
mo1	Advanced chemical practice ECTS 2 Duration				1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course		Daration	P (3)	1 Jennester	I method of Stading	5 (1100) Successivity completed	modulitevel	1 Staddate				
			essment	report (approx. 3 pages)									
				Language of assessment: German and/or English									
	Language of assessment Cerman and/or English												

Subfield Courses a	t partner	r univer	sity abroa	ad (30	ECTS credits)					
08-VPU-161-m01	Qualific	cations	- Partner	Univer	sity					
	ECTS	30	Duration	1	1 semester	Method of grading (not) successfully comple	ted Modul level	graduate		
	Courses	S			urses assigned to m		,			
						partner university abroad				
	Method	l of asse	essment		sments as specified lage of assessment:					
	other p	rerequis	sites			e advisory service in advance.	· ·			
visions) Annex DA),	one foc provision	us with ons on a	25 ECTS available	credits combir	as well as one focus	s with 30 ECTS credits (focuses 1 and 2 pursuar 1 Section 3 Subsection 2 Sentence 8 FSB.	nt to Section 3 Subs	section 2 FSB (subject-specific pro-		
Inorganic Chemistr	y (25 or	30 ECTS	S credits)							
Compulsory Course	es (20 EC	TS cred	lits)							
08-ACM1-161-m01	Advanc	ed Inor	ganic Che	emistry	1					
	ECTS	10	Duratio	n	2 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S		S (3) -	+ S (3)		•			
	Method	i or asse	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English					
08-ACPM-161-m01	Inorgan	nic Cher	nistry pra	ctical	course for advanced					
	ECTS	10	Duratio		1 semester	Method of grading (not) successfully comple	ted Modul level	graduate		
	Courses	S		P (24) Modu	le taught in: Germar	n or English				
	Method	d of asse	essment			(approx. 20 pages) and talk (approx. 15 minute German and/or English	es)			
	Additio	nal Info	rmation	Addit	ional information on	module duration: block taught lab course with	approx. 40 workin	g days.		
Compulsory Electiv	es (5 or :	10 ECTS	credits)							
08-ACM2-242-m01	Bioinor	ganic C	hemistry							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S	_	S (3) Module taught in: German or English						
	Method of assessment			b) ora c) por	l examination of one tfolio (approx. 30 ho	oprox. 45 to 90 minutes) or e candidate each (20 to 30 minutes) or ours total) German and/or English				

08-ACM3-161-m01	Solid state chemistry and inorganic materials												
	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (3)				•	-				
	Method	of ass	essment			pprox. 90 to 180 min							
						e candidate each (20							
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or									
				e) pre	e) presentation (approx. 30 minutes)								
				Language of assessment: German and/or English									
08-HKM2-161-m01		ed orga			nistry and its appli	cation in homogened							
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (3) Modu	le taught in: Germa	n or English							
				b) ora c) ora d) log e) pre Langu	written examination (approx. 90 to 180 minutes) or oral examination of one candidate each (20 to 30 minutes) or oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or log (approx. 20 pages) or presentation (approx. 30 minutes) anguage of assessment: German and/or English								
08-TCM2-161-m01	Basics and Applications of Quantum Chemistry												
	ECTS	5	Duration)	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (2) -	+ Ü (2)			·					
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
Organic Chemistry	(25 or 3	o ECTS	credits)										
Compulsory Course	es (15 EC	TS cred	lits)										
08-OCM-SYNT-161-	Moderi	n Synth	etic Metho	ods									
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course			S (2) - Modu	- Ü (1) le taught in: Germa	n or English	-	1	1-2				
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									

08-OCM-AKP1-161-	Advanced R	esearch Pro	ject Or	ganic Chemistry								
mo1	ECTS 10	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses		P (20)									
	AA (1 1 C			le taught in: Germar								
	Method of a	issessment	Log (a	og (approx. 15 to 20 pages) and talk (approx. 15 minutes) anguage of assessment: German and/or English								
Compulsory Electiv	es (10 or 15 E	CTS credits		age or assessment	20							
08-0CM-BIO-242-	Modern Aspects of Biological Chemistry											
mo1	ECTS 5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (3) Modu	le taught in: Germar	n or English							
	Method of a	assessment	b) ora c) ora) written examination (approx. 45 to 90 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) anguage of assessment: German and/or English								
08-OCM-FM-161-	Organic Fun	ictional Mate	erials	als								
mo1	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (3)									
	Method of a	issessment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
08-HKM1-152-m01	Organo- and	d Biocatalys	is									
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses		S (3)									
	Method of assessment		b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-SCM1-161-m01	Supramoleo			sics)	-							
	ECTS 5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			le taught in: Germar								
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English								

08-SCM3-152-m01	Bioorg	anic Che	emistry										
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S	•	S (3)				•	•				
				a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English									
08-TCM2-161-m01	Basics and Applications of Quantum Chemistry												
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (2) -	+ Ü (2)								
	Method	d of asso	essment	b) ora c) ora d) log e) pre	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
Physical Chemistry	(25 or 3	o ECTS	credits)										
Compulsory Course	es (20 E0	CTS cred	lits)										
08-PCM1a-161-	Laser S	pectros	сору										
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (2) - Modu	+ Ü (1) le taught in: Germ	an or English							
	Method	d of asso	essment	b) ora	l examination of o	(approx. 90 minutes) or one candidate each (app ot: German and/or Englis							
08-PCM1b-161-	Advanc	ed Phys	sical Cher	nistry	(Lab)								
mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Course	S		P (4) Module taught in: German or English									
	Method of assessment			Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English									
	Additio	nal Info	rmation	Additional information on module duration: block taught lab course with approx. 20 working days.									

08-PCM2-161-m01	Statistical Mechanics and Reaction Dynamics											
	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate				
	Course		1	S (2) +				10				
	Method	d of asse	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								
08-PCM6-161-m01	Physica	al Chem	istry (Adv	vanced	Lab)	· •	1					
	ECTS	5	Duration	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		P (4) Modu	le taught in: Germar	n or English						
	Method	d of asse	essment		sentation (approx. 20 minutes) guage of assessment: German and/or English							
	Additio	nal Info	rmation	tion Additional information on module duration: block taught lab course with approx. 20 working days.								
Compulsory Electiv	es (5 or	10 ECTS	credits)									
08-PCM3-161-m01	Nanosc	ale Mat	terials									
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2) - Modu	- Ü (1) le taught in: Germar	n or English						
	Method	d of asse	essment	b) ora c) talk Langu	l examination of one (approx. 30 minute	oprox. 90 minutes) or e candidate each (approx. 20 minutes) or s) German and/or English						
08-PCM4-242-m01	Ultrafa	st spect	roscopy	and qu	antum-control							
	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (2) - Modu	+ Ü (1) le taught in: Germar	n or English						
			essment	b) talk (approx. 30 minutes) or c) portfolio (approx. 50 hours total) Language of assessment: German and/or English								
	other p	rerequisites Prior completion of modules 08-PCM1a and 08-PCM1b recommended.										

o8-PCM5-161-mo1	Physical Chemistry of Supramolecular Assemblies											
	ECTS 5 Duration	n 1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	S (2) + Ü (1) Module taught in: German or English a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English										
	Method of assessment											
08-TCM4-161-m01	Quantum Dynamics											
	ECTS 5 Duration	,	Method of grading numerical grade	Modul level	graduate							
	Courses	S (2) + Ü (2)										
	Method of assessment	b) oral examination of o	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or									
		d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English										
08-TCM2-161-m01	Basics and Applications	s of Quantum Chemistry										
	ECTS 5 Duration	n 1 semester	Method of grading numerical grade	Modul level	graduate							
	Courses	S (2) + Ü (2)										
	Method of assessment	b) oral examination of o c) oral examination in g d) log (approx. 20 pages e) presentation (approx		s per candidate) or								
08-TCM3-161-m01	Numerical Methods and	Programming										
	ECTS 5 Duration		Method of grading numerical grade	Modul level	graduate							
	Courses	S (2) + Ü (2)										
	Method of assessment	b) oral examination of o c) oral examination in g d) log (approx. 20 pages e) presentation (approx		s per candidate) or								

08-TCAP1-161-m01	Theoret	tical Che	emistry -	Projec	t course quantum c	hemistry						
	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (5)								
	Method	l of asse	ssment		presentation (approx. 30 minutes) Language of assessment: German and/or English							
	Additio	nal Infoi	mation	Additi	Additional information on module duration: block taught lab course with approx. 20 working days.							
08-TCAP2-161-m01	Theoret	Theoretical Chemistry - Project course quantum dynamics										
	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	5		P (5)				·				
	Method	l of asse	ssment		sentation (approx. 30 minutes) guage of assessment: German and/or English							
	Additio	nal Info	mation	Additi	onal information or	n module duration: blo	ock taught lab course with app	rox. 20 working	days.			
o8-FU-Ma-	Material Science 1 (Basic introduction)											
Wi1-212-m01	ECTS 5 Duratio			1	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses				+ Ü (1) + V (2)							
	Method	l of asse	ssment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								
o8-FMM-MP-161-	Lab Cou	ırse Mat	terial Sci	ence								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (8)								
	Method of assessment			Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English								

Biochemistry (25 o	r 30 ECTS (redits)								
Compulsory Course	es (15 ECTS	credits)								
08-BC-MOL-222-	Molecula	r Biology								
mo1	ECTS 5	Duratio		Method of grading numerical grade	Modul level	undergraduate				
	Courses		V (2) + Ü (1) Module taught in: Germa	ın						
LO DC MOLD	Method o	f assessment	a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English							
08-BC-MOLP-172-	Molecula	r Biology labo	ratory course							
mo1	ECTS 10	Duratio		Method of grading numerical grade	Modul level	undergraduate				
	Courses		P (5)							
	Method o	f assessment	a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English Assessment offered: Once a year, winter semester							
	Participar cation of	nts and allo- places	number of available plac average grade of success lot. Quota 2 (one third of number of subject semes become available. Chemie (Chemistry), Mas gree programme Chemie ber of subject semesters waiting list will be mainta ter procedure 1 is finishe me MINT-Lehramt PLUS a	emie (Biochemistry), Bachelor's (180 ECTS crees, places will be allocated according to the following to modules; among applicants of places): number of subject semesters of the resters, places will be allocated by lot. A waiting ster's and MINT-Lehramt PLUS Master's: 6 places (Chemistry) (120 ECTS credits) will be considered. Among applicants with the same number of a ained and places re-allocated by lot as they be decompletely, theses places will be distributed as follows: Places will be allocated by subject semesters, places will be allocated by	following quotas: Quot with the same average respective applicant; as list will be maintained ces. Selection processered first: Places will be subject semesters, place come available. 2. In ad among the students to the number of subject semesters to the number of subjects.	ta 1 (two thirds of places): current e grade, places will be allocated by among applicants with the same d and places re-allocated as they see allocated according to the numaces will be allocated by lot. A case that there are places left after the Master's degree programent sect semesters. Among applicants				

Compulsory Elective	<u>, , , , , , , , , , , , , , , , , , , </u>					•					
08-BC-FPMC-242-					emistry for Master Chemistry						
mo1	ECTS	10	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	S		P (10)							
	Method	d of asse	essment		Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English						
	Module comple	es succe eted	essfully	08-B0	-MOLP						
	Additio	nal Info	rmation	Addit	ional information on	module duration: bl	ock taught lab course with app	rox. 40 working	g days.		
08-ACM2-242-m01	Bioinor	rganic C	hemistry								
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (3) Modu	le taught in: Germar	n or English					
	Method	d of asse	essment	b) ora c) por	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English						
08-HKM1-152-m01	Organo	o- and B	iocatalys	is	5						
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (3)		•		•			
	Method	d of asse	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
o8-OCM-BIO-242-	Moderi	n Aspect	ts of Biol	ogical	Chemistry			'			
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	S (3) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							

08-MCM3-242-	Moderr	n Drug F	Research	ı: Basi	cs and Drug Design					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Course	S			S (2) + Ü (1) Module taught in: German or English					
	Method	l of ass	essment	b) wri	a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes) Language of assessment: German and/or English					
	Particip cation o			numb ven p 6 plac numb 2 plac of sub	ces for students of er of subject semes referential considera es for students of the er of subject semes es for students of the oject semesters; am	the Master's degree programme Chemie (Chemistrers; students who have chosen Medizinische Cheation. he Master's degree programme Biochemie (Biocheters; among applicants with the same number of she Master's degree programme MINT-Lehramt PLUS ong applicants with the same number of subject sed places re-allocated by lot as they become available.	mie (Medicinal C mistry): Places w ubject semesters 5: Places will be emesters, places	chemistry) as their focus will be givill be allocated according to the specific points, places will be allocated by lot. allocated according to the number		
08-PH-KAC-152-	Clinical-analytical Chemistry									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (3)						
	Method	d of ass	essment	writte	n examination (app	rox. 120 minutes)				
Functional Materia	ls (25 or	30 ЕСТ	S credits)							
Compulsory Course	es (20 EC	TS cred	dits)							
08-FMM-MP-161-	Lab Cou	urse Ma	aterial Sci	ence						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Course	S		P (8)			•			
	Method	l of ass	essment	and a	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English					
o8-FMM-PA-161-	Project	Work								
mo1	ECTS 5 Duratio		Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Course	S		P (10)						
	Method of assessment			Log (approx. 15 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English						

08-OCM-FM-161-	Organic Functional Materials												
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		S (3)				,					
	Method	d of ass	essment			ı (approx. 90 to 180 mir							
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or								
							dates (approx. 15 minu	ites per candidate) or					
				d) log (approx. 20 pages) or e) presentation (approx. 30 minutes)									
					Language of assessment: German and/or English								
03-FU-PM1-152-	Polyme	er Chem	istry 1 (Le	cture	and Practical Co	ırse)		,					
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2)	+ P (2)	,		· ·					
	Method	or ass	essment	prox. Langi Asses	a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus								
Compulsory Electi	ves (5 or	10 ECTS	credits)										
o8-FU-Ma-	Material Science 1 (Basic introduction)												
Wi1-212-m01	ECTS	5	Duration	ก	2 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (2)	+ Ü (1) + V (2)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
o8-FU-Ma-	Materia	al Scien	ce 2 (The	Mater	rial Groups)								
Wi2-152-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V (3)	V (3) + Ü (1)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									

08-FU-NT-152-m01	Chemic	cally and	d bio-insp	ired N	anotechnology fo	or Material Synthesis		1				
	ECTS	5	Duration	1	1 semester	Method of grading nu	merical grade	Modul level	undergraduate			
	Course	S		V (4)		<u> </u>						
	Method	d of asse	essment	a) written examination (approx. 90 to 180 minutes) or								
						one candidate each (20 to		11.1.4.				
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or								
					e) presentation (approx. 30 minutes)							
						nt: German and/or English						
o8-FU-Mo-	Molecular Materials (Lecture)											
MaV-152-mo1	ECTS 5 Duratio			1	1 semester	Method of grading nu	merical grade	Modul level	undergraduate			
	Courses			V (3)	+ S (1)							
	Method	d of asse	essment						each (20 to 30 minutes) or c) oral			
									prox. 20 pages) or e) presentation			
						as well as talk (approx. 30 i		:1				
					guage of assessment: German and/or English ditable for bonus							
03-FU-PM2-222-	Polyme	ers II						,				
mo1	ECTS 5 Duratio			1	1 semester	Method of grading nu	merical grade	Modul level	graduate			
	Course	S		V (2)	+ P (2)	<u> </u>						
	Method of assessment					(approx. 90 minutes) or						
				b) oral examination of one candidate each (20 to 30 minutes) or								
				c) talk (approx. 30 minutes) Language of assessment: German and/or English								
					Assessment offered: Once a year, winter semester							
				creditable for bonus								
03-FU-DDEL-222-	Nano4	Med										
mo1	ECTS	5	Duration	1	1 semester	Method of grading nu	merical grade	Modul level				
	Course	S		V (1) -	+ Ü (1)							
	Method	d of asse	essment						se / project report / report on			
								iinutes) or written exar	mination (approx. 90 minutes)			
D10	. .			Langi	lage of assessme	nt: German and/or English						
03-BIO- POL-222-m01	Biopoly		15									
1 01-222-11101	ECTS	5	Duration		1 semester	Method of grading nu	merical grade	Modul level				
	Course	S			+ Ü (1) + P (1) ıle taught in: V, Ü	Fnalich						
	Mothod	d of acco						_	-			
	Method				a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or							
				c) talk (approx. 30 minutes)								
				Language of assessment: English								

o8-PCM3-161-mo1	Nanoso	ale Ma	terials									
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (2) + Ü (1) Module taught in: German or English								
	Method of assessment			b) ora c) tall Langu	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus							
08-SCM1-161-m01	Supran	nolecul	ar Chemis	try (Ba	sics)							
	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses				le taught in: Germa	n or English						
	Method	d of ass	essment	b) ora) written examination (approx. 90 minutes) or) oral examination of one candidate each (approx. 20 minutes) anguage of assessment: German and/or English							
08-ACM3-161-m01	Solid s	Solid state chemistry and inorganic materials ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate										
	ECTS	5	Duratio	<u> </u>	1 semester	graduate						
	Course	S		S (3)								
	Method	d of ass	essment	b) ora c) ora d) log e) pre	Il examination of or I examination in gro (approx. 20 pages) sentation (approx.	approx. 90 to 180 minutes) or ne candidate each (20 to 30 minutes) or oups of up to 3 candidates (approx. 15 minutes p) or 30 minutes) :: German and/or English	per candidate) or					
08-TCM2-161-m01	Basics	and Ap	plications	of Qu	antum Chemistry							
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course				+ Ü (2)							
	Method of assessment			a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								

Homogeneous Cata	lysis (2	5 or 30 l	CTS cred	lits)							
Compulsory Courses (20 ECTS credits)											
08-HKM1-152-m01	Organo	o- and Bi	ocatalys	is							
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course			S (3)							
				b) ora c) ora Langu	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English						
o8-HKM2-161-mo1	Advanc	ed orga	nometall	ic cher	nistry and its applic	ation in homogeneo					
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (3) Modu	le taught in: German	or English					
	Method	or asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English							
o8-HKM3AC-161-	Practical course "Homogeneous catalysis in Inorganic Chemistry"										
mo1	ECTS	5	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	S		P (6) Modu	le taught in: German	or English					
	Method	d of asse	essment			(approx. 10 pages) a German and/or Engl	nd talk (approx. 15 minutes) ish				
o8-HKM3OC-161-	Practic	al cours	e "Homo	geneou	ıs catalysis in Orgar	ic Chemistry"					
m01	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses			P (6) Module taught in: German or English							
	Method of assessment			report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English							

Compulsory Electiv	es (5 or 1	o ECTS credits)									
08-HKM4-161-m01	Advance	d transition me	tal che	emistry							
	ECTS	5 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	•	S (3)		·	•					
	Method	of assessment	a) wri	tten examination (a	pprox. 90 to 180 minutes) or						
				l examination of on							
				c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or							
				sentation (approx.							
			Langu	lage of assessment	German and/or English						
08-HKM5-262-m01		ability in chemi	stry								
	ECTS	5 Duratio		1 semester	Method of grading numerical grade	Modul level					
	Courses		S (2)								
				le taught in: English							
	Method	of assessment		a) written examination (approx. 45 to 90 minutes) or b) portfolio (approx. 40 hours total)							
				lage of assessment							
08-PCM2-161-m01	Statistical Mechanics and Reaction Dynamics										
	ECTS	5 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			le taught in: Germa							
	Method	of assessment	b) ora	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English							
08-OCM-SYNT-161-	Modern	Synthetic Meth	ods								
mo1	ECTS	5 Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses		S (2) Modu	+ Ü (1) le taught in: Germa	n or English						
	Method	of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English								

08-TCM2-161-m01													
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5	•	S (2)	+ Ü (2)	•	•	•	•				
	Method	of asse	essment			approx. 90 to 180 min							
						ne candidate each (20							
					il examination in g g (approx. 20 page:		dates (approx. 15 minutes pe	r candidate) or					
					esentation (approx								
				Language of assessment: German and/or English									
03-FU-PM1-152-	Polyme	Polymer Chemistry 1 (Lecture and Practical Course)											
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Courses	5	·	V (2)	+ P (2)		•						
	Method	of asse	essment	prox. Lange Asses	a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, summer semester creditable for bonus								
Medicinal Chemist	ry (25 or	30 ECTS	5 credits)										
Compulsory Cours	es (10 EC	TS cred	its)										
08-MCM1-161-m01	Practica	al cours	e medicii	nal che	emistry								
	ECTS	10	Duration	ı	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate				
	Courses	5		P (10) Modu	le taught in: Germ	an or English							
	Method	l of asse	essment	and a	ssessment of prac		o 4 random examinations) as		h, log approx. 5 to 10 pages each) o to 50 pages)				
Compulsory Election	ves (15 or	20 ECT	S credits)									
08-MCM2a-161-	Pharma	ceutica	l/Medici	nal Ch	emistry 1								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	5		V (3)	•	•		·	•				
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									

08-MCM2b-161-	Pharma	aceutica	al/Medici	nal Chemistry 2			'				
mo1	ECTS	5	Duration	n 1 semester	Method of grading	g numerical grade	Modul level	graduate			
	Course	!S		V (3)	(3)						
	Method	d of ass	essment	b) oral examination c) oral examination d) log (approx. 20 p e) presentation (ap	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
08-MCM3-242-	Moder	n Drug F	Research :	1: Basics and Drug D		5	'				
mo1	ECTS	5	Duration			g numerical grade	Modul level	graduate			
	Courses			S (2) + Ü (1) Module taught in: G	ierman or English	-					
	Method of assessment			b) written examinat	a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes) Language of assessment: German and/or English						
	Participants and allocation of places			number of subject so ven preferential cor 6 places for studen number of subject so 2 places for studen of subject semester list will be maintain	semesters; students who asideration. Its of the Master's degree semesters; among applicate of the Master's degree as; among applicants with ed and places re-allocate	have chosen Medizinison programme Biochemie (ants with the same num programme MINT-Lehranthe same number of su	che Chemie (Medicinal C (Biochemistry): Places w ber of subject semesters mt PLUS: Places will be a ubject semesters, places	allocated according to the same hemistry) as their focus will be giill be allocated according to the places will be allocated by lot. allocated according to the number will be allocated by lot; a waiting			
08-MCM4-242-	Moder	n Drug F	Research :	2: Technologies - Ta	rgets - Modalities						
mo1	ECTS	5	Duration	n 1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	!S		S (2) Module taught in: German or English							
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Language of assessment: German and/or English							

08-MBC-MSP-161-	Mass-Spectrometry and Proteomics												
mo1	ECTS	5	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate				
	Course	S	-		V (2) + S (1) + P (2) Module taught in: German or English								
	Method	d of asse	essment	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester									
		ants an of place		67 pl	aces.								
08-PH-KAC-152-	Clinica	l-analyt	ical Chen	nistry	stry								
mo1	ECTS 5 Duratio		Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate				
	Course	S		V (3)									
	Method	d of asse	essment	written examination (approx. 120 minutes)									
08-0CM-SYNT-161-	Modern Synthetic Methods												
mo1	ECTS 5 Duratio				1 semester	Method of grading n	umerical grade	Modul level	graduate				
	Courses			S (2) + Ü (1) Module taught in: German or English									
	Method	d of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-OCM-BIO-242-	Modern	n Aspect	ts of Biol	ogical Chemistry									
mo1	ECTS	5	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate				
	Courses			S (3) Module taught in: German or English									
	Method	d of asse	essment	b) ora	al examination of al examination in	ation (approx. 45 to 90 minutes) or on of one candidate each (20 to 30 minutes) or on in groups of up to 3 candidates (15 to 30 minutes per candidate) ssment: German and/or English							

08-ACM2-242-m01	Bioino	rganic C	hemistry										
	ECTS 5 Duration)	1 semester	Method of grading numerical gra	de	Modul level	graduate				
	Course	!S		S (3) Modu	S (3) Module taught in: German or English								
	Method	d of asso	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English									
08-BC-MOL-222-	Molecu	Molecular Biology											
mo1	ECTS	5	Duration)	1 semester	Method of grading numerical gra	de	Modul level	undergraduate				
	Course	!S	•	V (2) - Modu	+ Ü (1) le taught in: Germa	an							
	Method	d of asso	essment	a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English									
08-BC-FPMC-242-	Research Internship Biochemistry for Master Chemistry												
mo1	ECTS 10 Duratio			1	1 semester	Method of grading (not) successf	fully completed	Modul level	graduate				
	Courses			P (10)									
	Method	d of asso	essment	Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English									
	Modules successfully completed			o8-BC-MOLP									
	Additional Information			Additional information on module duration: block taught lab course with approx. 40 working days.									
Supramolecular Ch	emistry	(25 or 3	o ECTS ci	edits)									
Compulsory Course	es (10 EC	TS cred	its)										
08-SCM1-161-m01	Supran	nolecula	ar Chemis	try (Ba	sics)								
	ECTS	5	Duration	1	1 semester	Method of grading numerical gra	de	Modul level	graduate				
	Course	!S		S (3) Module taught in: German or English									
	Method of assessment			a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English									

08-SCM2-242-m01	Supramolecular Chemistry (Practical Course)											
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		P (6) Modu	le taught in: Germa	n or English						
	Method	d of ass	essment	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English								
Compulsory Electiv	es (15 oı	r 20 EC1	S credits)								
08-SCM3-152-m01	Bioorganic Chemistry											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)								
	Method	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-SCM4-242-m01	Supran	nolecula	ar Chemis	ry (Advanced Lab)								
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			P (6) Module taught in: German or English								
	Method	d of ass	essment	presentation (approx. 20 minutes) Language of assessment: German and/or English								
	Additio	nal Info	rmation	Additional information on module duration: block taught lab course with approx. 20 working days.								
o8-PCM5-161-mo1	Physical Chemistry of Supramolecular Assemblies											
	ECTS 5 Duratio			1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) + Ü (1) Module taught in: German or English								
	Method	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English								
08-ACM2-242-m01	Bioinor	ganic C	hemistry									
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3) Module taught in: German or English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) portfolio (approx. 30 hours total) Language of assessment: German and/or English								

08-TCM2-161-m01	Basics and Applications of Quantum Chemistry											
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		S (2) ·	$\ddot{b}(2) + \ddot{U}(2)$							
	Method	of ass	essment			(approx. 90 to 180 min						
				b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or								
					(approx. 20 page		iales (appiox. 15 illillu	tes per candidate) of				
				e) pre	sentation (appro	x. 30 minutes)						
					Language of assessment: German and/or English							
08-0CM-FM-161- mo1			onal Mate		г	1						
11101		5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (3)								
	Method	d of ass	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or								
						groups of up to 3 candic		tes per candidate) or				
				d) log (approx. 20 pages) or								
				e) presentation (approx. 30 minutes)								
08-PCM3-161-m01	Language of assessment: German and/or English Nanoscale Materials											
00-1 CM3-101-11101		5	Duration	1 semester Method of grading numerical grade Modul level graduate								
	Courses		Duration	S (2) ·		Method of grading	numerical grade	Modulitevel	graduate			
	course.	3		Module taught in: German or English								
	Method	d of ass	essment	a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes)								
				Langu								
				creditable for bonus								
Theoretical Chemis	try (25 0	or 30 EC	TS credits	s)								
Compulsory Course	s (15 EC	TS cred	lits)									
08-TCM2-161-m01	Basics	and Ap	plications	of Quantum Chemistry								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		S (2) + Ü (2)								
	Method	d of ass	essment	a) wri	a) written examination (approx. 90 to 180 minutes) or							
				b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or								
				d) log	(approx. 20 page	sioups of up to 3 calluic	iaies (appiox, 15 illillu	tes per candidate) of				
				e) pre	sentation (approx	x. 30 minutes)						
				Langu	Language of assessment: German and/or English							

08-TCM3-161-m01	Numerical Methods and Programming												
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) -	(2) + Ü (2)								
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-TCM4-161-m01	Quantu	m Dyna	mics										
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	-		S (2) -									
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
Compulsory Electiv	es (10 01	15 ECT	S credits)										
08-TCM1-161-m01	Selected Topics in Theoretical Chemistry												
	ECTS 5 Duration				1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) + Ü (2)									
	Method	l of asse	essment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English									
08-TCAP1-161-m01	Theoret	tical Ch	emistry -	Project course quantum chemistry									
	ECTS 5 Duratio				1 semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses			P (5)	P (5)								
	Method	l of asse	essment		ntation (approx. 30 lage of assessment:	minutes) German and/or Engl	ish		_				
	Additional Information			Additional information on module duration: block taught lab course with approx. 20 working days.									

08-TCAP2-161-m01	Theore	tical Ch	nemistry -	Projec	t course quantum o	lynamics						
	ECTS 5 Duration		- _	1 semester	<u> - </u>	not) successfully completed	Modul level	graduate				
	Courses			P (5)			·	•	-			
	Metho	d of ass	essment	presentation (approx. 30 minutes) Language of assessment: German and/or English								
							k taught lab course with app	rox. 20 working	days.			
08-MCM3-242-	Modern Drug Research 1: Basics and Drug Design											
mo1	ECTS	5	Duration		1 semester	Method of grading n	umerical grade	Modul level	graduate			
	Course	!S			+ Ü (1) ıle taught in: Germa	an or English						
	Metho	d of ass	essment	b) wri	a) presentation (approx. 30 minutes) or b) written examination (approx. 45 to 90 minutes) Language of assessment: German and/or English							
		pants a of place		numb ven p 6 plac numb 2 plac of sul	aces for students of per of subject seme referential conside ces for students of per of subject seme ces for students of pject semesters; an	sters; students who have ration. the Master's degree prog sters; among applicants the Master's degree prog nong applicants with the	e chosen Medizinische Chem gramme Biochemie (Biochem with the same number of su gramme MINT-Lehramt PLUS:	nie (Medicinal C nistry): Places w bject semesters Places will be a mesters, places	allocated according to the same themistry) as their focus will be givill be allocated according to the s, places will be allocated by lot. allocated according to the number will be allocated by lot; a waiting			
Thesis (30 ECTS cr	edits)											
08-MA-161-m01	Maste	r-Thesis	Chemistr	у								
	ECTS	30	Duration	1	1 semester	Method of grading n	umerical grade	Modul level	graduate			
	Courses			No courses assigned to module								
	Method of assessment			Master's thesis (approx. 60 to 80 pages) Language of assessment: German and/or English								
	other p	rerequi	sites	Wher	e applicable, speci	fic modules as specified	by supervisor.					
	Additio	nal Info	ormation	Time	Time to complete: 6 months.							