

Responsible: Faculty of Chemistry and Pharmacy



## **Annex SFB**

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

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

Examination regulations version: 2009

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

#### ASP02007

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

### 19-Nov-2009 (2009-74)

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 of		l if applica	if applicable								
	Other prereq	uisites	if applica	if applicable								
	Participants on of places		ocati- if applica	if applicable								
	Additional in	formatio	on if applica	if applicable								
	Referred to in	n LPO I	if applica	ble (examination re	gulations for teaching	g-degree programmes)						

Compulsory Course	es (145 ECTS crea	lits)									
11-EFNF-072-m01	Introduction to	Physics	for Stu	dents of Non-phys	ics-related Minor Sub	jects					
	ECTS 7	Duration	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	·	V + V	(no information on	SWS (weekly contact	hours) and course langua	ge available)				
	Method of asse	ssment	writte	n examination (app	orox. 120 minutes)						
	Participants and cation of places		Only a	as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.							
11-PFNF-072-m01	Practical Cours	e Physic	s for St	udents of Non-phy	sics-related Minor Su	Ibjects					
	ECTS 3	Duratio	n	1 semester	Method of grading	(not) successfully comple	eted Modul level	undergraduate			
	Courses		P (no	information on SWS	S (weekly contact hou	rs) and course language a	vailable)				
	Method of asse	ssment				ment and b) ungraded writ		prox. 90 minutes)			
	Participants and allo- cation of places Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.										
08-AC2-092-m01		organic Chemistry 2									
	ECTS 6	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (no	information on SW	S (weekly contact hou	rs) and course language a	vailable)				
	Method of asse	essment				nation: 90 minutes; 2 writ mination in groups (group		o or 90 minutes each; 3 written inutes)			
08-AC3-092-m01	Inorganic Chem	nistry 3									
	ECTS 9	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		•	<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module compor</li> <li>08-AC3-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> <li>08-AC3-2-092: P (no information on SWS (weekly contact hours) and course language available)</li> </ul>							
	Method of asse		stated Asses Asses	d otherwise, succes <b>sment in module c</b> 4 ECTS, Method of a) 1 to 3 written ex- written examination examination in gro <b>sment in module c</b> 5 ECTS, Method of Vortestate (pre-ex- experiment exame Assessment offere	sful completion of the omponent o8-AC3-1-o grading: numerical g aminations (1 writter ons: 60 minutes each oups (groups of 2, ap) omponent o8-AC3-2-o grading: (not) succes periment exams, appr s, approx. 15 minutes ed: once a year, winte	e module will require succ <b>992:</b> Elemental Organic Ch rade examination: 90 minutes ) or b) oral examination of prox. 30 minutes) <b>992:</b> Inorganic Chemistry 2 sofully completed ox. 15 minutes each), asse each) r semester	essful completion of emistry Elemental O ; 2 written examinat one candidate each 2 (lab) ssment of practical p	ts as specified below. Unless f all individual assessments. Organic Chemistry tions: 60 or 90 minutes each; 3 n (approx. 20 minutes) or c) oral performance, Nachtestate (post-			
	Modules succes completed	sstully	08-A(	.1 (module compon	ent 08-AC1-2 only) or	o8-AN1 (module compone	ent 08-AN1-2 only)				

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08-0C2-092-m01	Organi	rganic Chemistry 2											
	ECTS	9	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	!S		V + Ü	V + Ü + V (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment				a) 1 to 3 written examinations (1 written examination: 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations: 60 minutes each) or b) oral examination in groups (groups of 2, approx. 30 minutes)								
08-0C3-092-m01	Organic Chemistry 3												
	ECTS	15	Duration	า	1 semester	Method of grading numerical grade	Modul level	undergraduate					
	Course	!S		This r •	08-0C3-1-092: V	s 2 module components. Information on courses V + Ü (no information on SWS (weekly contact ho P (no information on SWS (weekly contact hours)	ours) and course langu	age available)					
	Metho	l of ass	essment	stated Asses	d otherwise, succ sement in module 6 ECTS, Method a) 1 to 3 written minutes each; 3 20 minutes) or c Language of ass Other prerequisi ses as specified regular attendar sement in module 9 ECTS, Method Vortestate (pre-e	adule comprises the assessments in the individu ressful completion of the module will require suc e component o8-OC3-1-o92: Organic Chemistry 3 of grading: numerical grade examinations (1 written examination: approx. 9 written examinations: approx. 60 minutes each) c) oral examination in groups (groups of 2, appro sessment: German or English ites: Admission prerequisite to assessment: succe d at the beginning of the course (usually 70% o nce of exercises (usually a maximum of 2 incider e component o8-OC3-2-o92: Organic Chemistry - l of grading: (not) successfully completed experiment exams, approx. 15 minutes each), ass ms, approx. 15 minutes each)	ccessful completion of 3 Organic Chemistry 3 90 minutes; 2 written e 0 or b) oral examination 0x. 30 minutes) ccessful completion of e of exercises to be succ nts of unexcused abse - lab 1	all individual assessments. xaminations: approx. 60 or 90 of one candidate each (approx. exercises in the respective clas- essfully completed) as well as nce).					
	Module comple		essfully	08-A0	1 (module compo	onent o8-AC1-2 only) or o8-AN1 (module compor	nent o8-AN1-2 only) or	08-OC1 or 08-OC1-GHR					
	other p	orerequi	isites	By wa	y of exception, ad	dditional prerequisites are listed in the section o	on assessments.						

08-0C4-092-m01	Organi	c Chemi	istry 4					_			
	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S			<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o8-OC4-2-092: P (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-OC4-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
	Method	d of asso	essment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.						
	<ul> <li>Assessment in module component o8-OC4-2-o92: Organic Chemistry - advanced laboratory course for studer</li> <li>5 ECTS, Method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nach experiment exams, approx. 15 minutes each)</li> <li>Assessment offered: once a year, winter semester</li> <li>Assessment in module component o8-OC4-1-o92: Organic Chemistry 4 Organic Chemistry 4</li> <li>5 ECTS, Method of grading: numerical grade</li> <li>a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 minutes each) or b) oral examination of one candidate 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> <li>Other prerequisites: Admission prerequisite to assessment: successful completion of exercises in the reses as specified at the beginning of the course (usually 70% of exercises to be successfully completor regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).</li> </ul>								erformance, Nachtestate (post- xaminations: approx. 60 or 90 of one candidate each (approx. exercises in the respective clas- essfully completed) as well as nce).		
	comple	Modules successfully completed			o8-AC1 (module component o8-AC1-2 only) or o8-AC1-BC (module component o8-AC1-BC-2 only) or o8-AN1 (module compo- nent o8-AN1-2 only)						
		prerequi		By way of exception, additional prerequisites are listed in the section on assessments.							
08-PC1-092-m01		al Chem									
	ECTS	8	Duration		1 semester	Method of grading	-	Modul level	undergraduate		
	Course	S		V + Ü	+ V + Ü (no informat	ion on SWS (weekly o	contact hours) and course lang	uage available)			
	Method	d of ass	essment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examina- tion in groups (groups of 2, approx. 30 minutes)							
	other p	prerequi	sites	ning o	of the course (usuall		be successfully completed) as		classes as specified at the begin- attendance of exercises (usually		

08-PC2-092-m01	Physic	al Chen	nistry 2: T	hermo	dynamics, Kinetic	s, Electrochemistry						
	ECTS	18	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	s		<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o8-PC2-2-092: P (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-PC2-1-092: V + Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>								
	Method	d of ass	sessment		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
				• • • • Electr	<ul> <li>Assessment in module component o8-PC2-2-o92: Physical Chemistry (lab) <ul> <li>9 ECTS, Method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each)</li> <li>Assessment offered: once a year, winter semester</li> <li>Only after successful completion of module components: o8-PC1-1 or o8-PC2-1</li> </ul> </li> <li>Assessment in module component o8-PC2-1-o92: Thermodynamics, Kinetics, Electrochemistry Thermodynamics, Kinetics, Electrochemistry</li> <li>9 ECTS, Method of grading: numerical grade</li> <li>a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> <li>Other prerequisites: Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the beginning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).</li> </ul>							
	other p			By way of exception, additional prerequisites are listed in the section on assessments.								
	Referre		-	-	-	-	che Chemie"; "Physika	lische und Analytische (	Chemie"			
08-PC4-092-m01					cal Thermodynam		1					
	ECTS	3	Duratio		1 semester	Method of grading		Modul level	undergraduate			
	Course				-		hours) and course lan					
	Methoo	d of ass	sessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)								
	other prerequisites			ning o	of the course (usu		o be successfully comp		classes as specified at the begin- r attendance of exercises (usually			

08-BC-092-m01	Bioche	mistry									
	ECTS	6	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	!S		V + Ü	V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Methoo	d of ass	essment	each;	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)						
	other p	prerequi	sites	ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						
10-M-MCB-092-	Mathe	matics f	or studen	ts of C	hemistry and Biolo	ogy (lecture and pract	ice)				
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	!S		•	<ul> <li>is module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>10-M-MCB-1-092: V (no information on SWS (weekly contact hours) and course language available)</li> <li>10-M-MCB-2-092: Ü (no information on SWS (weekly contact hours) and course language available)</li> </ul>						
				stated Asses Asses	d otherwise, succes <b>sment in module o</b> 3 ECTS, Method o written examinati <b>sment in module o</b> 2 ECTS, Method o exercises (to be s	ssful completion of th component 10-M-MCB f grading: numerical g on (120 minutes) component 10-M-MCB f grading: (not) succe	- <b>2-092:</b> Exercises in Mathemat	ul completion of nts in Chemistry	all individual assessments. and Biology		
08-TC-092-m01			odels in C		<u>,                                     </u>		1				
		3	Duratio		1 semester	Method of grading		Modul level	undergraduate		
	Course						hours) and course language av				
	Metho	d of ass	essment	each;	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)						
	other prerequisites			ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).						

Inorga	nic Che	mistry 1					, ,				
ECTS	21	Duratio	n	1 semester	Method of grading numerio	al grade:	Modul level	undergraduate			
Course	S			<ul> <li>his module has 4 components; information on courses listed separately for each component.</li> <li>o8-AC1-1-092: V + V + Ü (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-2-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: V (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-3-092: P (no information on language and number of weekly contact hours available)</li> <li>o8-AC1-2-092: P (no information on language and number of weekly contact hours available)</li> </ul>							
Metho	d of ass	sessment		This module has the following 4 assessment components. Unless stated otherwise, students must pass all of these as- sessment components to pass the module as a whole							
			<ul> <li>Assessment component to module component o8-AC1-1-o92: Grundlagen der Allgemeinen and Anorganischen Chemie <ul> <li>10 ECTS credits, method of grading: numerical grade</li> <li>a) 1-3 written exams(1 written examination 90 minutes, 2 written examsje 60 or 90 minutes, 3 written examsje 60 minutes) or b) oral examination of on candidate each (approx. 20 minutes) or c) oral examination in groups (groups of two, approx. 30 minutes)</li> </ul> </li> <li>Assessment component to module component o8-AC1-2-o92: Praktikum Anorganische Chemie 1 <ul> <li>6 ECTS credits, method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each)</li> <li>examination offered once a year, winter semester</li> </ul> </li> <li>Assessment component to module component o8-AC1-3-o92: Erläuterungen zum Praktikum Anorganische Chemie 1 <ul> <li>4 ECTS credits, method of grading: numerical grade</li> <li>a written examination offered once aventical grade</li> <li>a written examination offered once aventical grade</li> </ul> </li> </ul>								
				ssment componer 1 ECTS credits, n	nt to module component o8-AC1 nethod of grading: (not) success	- <b>4-092:</b> Sicheres Arbe fully completed	iten in chemisch				
			a competer Mathed of grading numerical grade Madul laugh undergraduate								
		Duration				-		undergraduate			
Course	S		Ihis r	<ul> <li>This module comprises 2 module components. Information on courses will be listed separately for each module component.</li> <li>o8-AN1-2-092: P (no information on SWS (weekly contact hours) and course language available)</li> <li>o8-AN1-1-092: Ü + V (no information on SWS (weekly contact hours) and course language available)</li> </ul>							
Metho	d of ass	sessment									
Chemistry (2			<ul> <li>Assessment in module component o8-AN1-2-o92: Analytical Chemistry (lab)</li> <li>6 ECTS, Method of grading: (not) successfully completed</li> <li>Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance, Nachtestate (post-experiment exams, approx. 15 minutes each)</li> <li>Assessment offered: once a year, summer semester</li> <li>Assessment in module component o8-AN1-1-o92: Principles of Analytical Chemistry Principles of Analytical Chemistry</li> <li>5 ECTS, Method of grading: numerical grade</li> <li>a) 1 to 3 written examinations (1 written examination: 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes)</li> </ul>								
	ECTS Course Method Analyti ECTS Course	ECTS 21 Courses Method of ass Method of ass ECTS 11 Courses	Courses Method of assessment Analytical Chemistry 1 ECTS 11 Duration Courses	ECTS       21       Duration         Courses       This r         Method of assessment       This r         Method of assessment       Asses         Asses       •         Asses       •         Asses       •         Method of assessment       Asses         Asses       •         Method of assessment       Asses         Asses       •         Method of assessment       Asses         Method of assessment       Asses         Method of assessment       Asses         Method of assessment       Asses         •       •         •       •         •       •         •       •         •       •         •       •         •       •         <	ECTS21Duration1 semesterCoursesThis module has 4 com08-AC1-1092: V08-AC1-2092: P08-AC1-2092: P08-AC1-3092: V08-AC1-4092: PMethod of assessmentThis module has the for sessment componentsAssessment componentsAssessment componentsAssessment componentsAssessment componentsAssessment component10 ECTS credits, a) 1-3 written examinates) or b) o of two, approx. 3Assessment component6 ECTS credits, r a) 1-3 written examination officAssessment component4 ECTS credits, r a) written examination officAssessment component1 semesterCoursesThis module comprises o 08-AN1-2092: P o 08-AN1-1092: ÜMethod of assessmentAssessment in this mo stated otherwise, succAssessment in module o 5 ECTS, Method o 10 to 3) written exaperiment exar a Assessment in module e 5 ECTS, Method o 10 to 3 written examination offic	ECTS       21       Duration       1 semester       Method of grading       numeric         Courses       This module has 4 components; information on langue o8-AC1-1-092: V + V + U (no information on language an 08-AC1-3-092: V (no information on language an 08-AC1-4-092: P (no information on component 08-AC1-100-100-100-100-100-100-100-100-100-1	ECTS         21         Duration         1 semester         Method of grading         numerical grade           Courses         This module has 4 components; information on courses listed separately for	ECTS         21         Duration         1 semester         Method of grading         numerical grade         Modul level           Courses         This module has 4 components; information on courses listed separately for each component or 08-AC1-1-092: V + V (no information on language and number of weekly contact hours ave 08-AC1-2-092: P (no information on language and number of weekly contact hours ave 08-AC1-3-092: V (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: P (no information on language and number of weekly contact hours ave 08-AC1-4-092: Number 2000 (19-000)           Method of assessment component to module component 08-AC1-1092: Grundlagen der Allgemeinen a • 10 ECTS credits, method of grading; numerical grade • 13: written examination of fered once a year, winter semester           Assessment component to module component 08-AC1-4-092: Erläuterungen zum Praktikum • experiment exams, approx. 15 minutes each), eighted 1:::1, dates to be announced Assessment component to module component 08-AC1-4-092: Erläuterungen zum Praktikum • 4 ECTS credits, method of grading: numerical grade • 3 written examination of grading: numerical grade • 10 ECTS 11         In mester         Method of grading numerical grade • 08-AN1-2-092: P (no information on SWS (weekly contact hours) and course language • 08-AN1-2-0			

08-PC3-092-m01	Physic	hysical and Theoretical Chemistry 3: Symmetry and Quantum Chemistry											
	ECTS	6	Duration	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Course	es		V + Ü	V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Metho	d of ass	essment	exam	) 1 to 3 written examinations (1 written examination: 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written xaminations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in roups (groups of 2, approx. 30 minutes)								
	other p	orerequi	sites	ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).								
08-0C1-092-m01	Organ	Organic Chemistry 1											
	ECTS	5	Duration	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Course	es		V + Ü	(no information or	SWS (weekly conta	ct hours) and course language av	ailable)					
	Metho	d of ass	essment	writte	) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 rritten examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examina- on in groups (groups of 2, approx. 30 minutes)								
	other p	orerequi	sites	ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begin- ning of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually a maximum of 2 incidents of unexcused absence).								
	Referre	ed to in l	LPO I	§62 (	1) 2. Chemie "Orga	inische und Bioorga	nische Chemie"						
<b>Compulsory Electiv</b>	'es (5 EC	TS cred	its)										
08-PS3-092-m01	Applie	d Spect	roscopy 3										
	ECTS	5	Duration	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate				
	Course	es		V (no	information on SW	/S (weekly contact h	ours) and course language availal	ble)					
	Metho	d of ass		ites each) or 3 written examinati- es) or oral examination in groups									
08-PKC-092-m01	Progra	(groups of 2, approx. 30 minutes) rogramming course for Chemistry Majors											
	ECTS												
	Course				<u> </u>	· /	ct hours) and course language av	,					
	Metho	d of ass	essment			ompletion of progra beginning of the cou	mming exercises and oral descrip ırse)	tion of algorith	ms used (length/expenditure of				

08-BCP-092-m01	Bioche	mistry l	ab									
	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully con	npleted	Modul level	undergraduate		
	Course	S		P (no	information on SWS	(weekly contact hou	urs) and course languag	ge availat	ole)			
	Method	d of ass	essment	to 10	pre/post-experiment examination talks (Vortestate and Nachtestate, approx. 15 minutes each), practical work (log, approx. 5 to 10 pages) Assessment offered: once a year, summer semester							
	Module comple		essfully	o8-BC		, .						
	Particip cation o			a stan of pla (20%	Number of places: 24. Should the number of applications exceed the number of available places, places will be allocated in a standardised procedure among all applicants irrespective of their subjects according to the following quotas: Quota 1 (80% of places): grade achieved in module o8-BC; among applicants with the same grade, places will be allocated by lot. Quota 2 (20% of places): number of subject semesters of the respective applicant; among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated as they become available.							
Thesis (10 ECTS cre	edits)											
08-BA-092-m01	Bachel	elor Thesis										
	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Course	s		no co	urses assigned							
	Methoo	d of ass	essment		n thesis lage of assessment:	German or English						
	other p	rerequi	sites	Registration for assessment on a continuous basis as agreed upon with supervisor. Topic to be selected in consultation with supervisor. Topic to be assigned by examination committee (Section 21 Subsection 3 ASPO (general academic and examination on regulations)).								
Subject-specific Ke	ey Skills	(10 ECT	S credits)									
03-TR-072-m01	Toxicol	ogy and	d legal stu	udies								
	ECTS	3	Duratio	ı	1 semester	Method of grading	numerical grade		Modul level	undergraduate		
	Course	s		V + V	(no information on S	SWS (weekly contact	hours) and course lang	guage ava	ailable)			
	Method	d of ass	essment	written examination (approx. 90 minutes)								
08-VP-092-m01	Advanc	ed cher	mical prac	ctical c	ourse							
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully con	npleted	Modul level	undergraduate		
	Courses	s		P (no	information on SWS	(weekly contact hou	urs) and course languag	ge availat	ole)			
	Method	d of ass	essment	talk (a	approx. 15 minutes)							
08-LRAC-092-m01	Literatu	ure rese	arch met	hods								
	ECTS	1	Duration		1 semester	<u> </u>	(not) successfully con	•		undergraduate		
	Courses						urs) and course langua	ge availal	ole)			
	Method	d of ass	essment	2 liter	ature searches abou	ut given preparation	5					

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08-LROC-092-m01	Literature research methods								
	ECTS 1 Duration		1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate	
	Courses Ü (no information on SWS (weekly contact hours) and course language available							ble)	
	Method of assessment 1 literature search about given preparations								