

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Chemistry as Unterrichtsfach with the degree "Erste Staatsprüfung für das Lehramt an Grundschulen"

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2009

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

= lecture

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

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

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

= list of modules

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

Conventions for the modules in this SFB:

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

Information on assessment procedures:

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

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

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

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

LASP02009

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

11-Jan-2012 (2011-102)

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	be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y							
	Method of as	ssessm	ent								
	Only after su completion of		ıl if applica	applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	if applicable							
	Additional in	format	ion if applica	if applicable							
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)							

Scientific Disciplin	e (54 EC	TS credi	ts)									
Compulsory Courses (54 ECTS credits)												
08-PC-GHR-102-	Physica	al Chem	istry (tea	ching	degree for secondary	/ schools)						
mo1	ECTS 4 Duration			ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)				
	Method	d of asse	essment	writte	written examination (approx. 60 minutes)							
	Referre	d to in L	PO I	§ 42 (1) 1. Chemie "Allgem	eine und Anorganisc	che Chemie" und "Physikalisch	e und Analytisc	he Chemie"			
o8-OC-Prakt-	Organi	c Chemi	stry - lab	oratory	course (teaching de	egree for secondary	schools)					
GHR-092-m01	ECTS 5 Duratio		า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		P (no	P (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment			pre/post-experiment examination talks (Vor-/Nachtestate, approx. 15 minutes each), log (approx. 5 to 10 pages) Assessment offered: once a year, summer semester Language of assessment: German or English								
	Referre	d to in L	.PO I	§ 42 (1) 2. Chemie "Organi	sche und Bioorganis	sche Chemie"					
o8-PC-VKM-	Basic A	Nathema	atics (tea	ching	legree)							
LA-102-m01	ECTS	2	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment		ses (4 work sheets) age of assessment:	German or English						

o8-Ch-GH-	Exercises in Experimen	tal Presentation						
ÜiV-092-m01	ECTS 6 Duration	n 1 semester Method of grading (not) successfully completed Modul level undergraduate						
	Courses	This module comprises 3 module components. Information on courses will be listed separately for each module component. • o8-Ch-LA-ÜiV-1-092: Ü (no information on SWS (weekly contact hours) and course language available) • o8-Ch-LA-ÜiV-2-092: Ü (no information on SWS (weekly contact hours) and course language available) • o8-Ch-GH-ÜiV-3-092: Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.						
		Assessment in module component o8-Ch-LA-ÜiV-1-092: Exercises in Experimental Presentation (Inorganic Chemistry) • 2 ECTS, Method of grading: (not) successfully completed • talk with demonstrations (approx. 45 minutes) • Assessment offered: once a year, winter semester • Language of assessment: German or English Assessment in module component o8-Ch-LA-ÜiV-2-092: Exercises in Experimental Presentation (Organic Chemistry) • 2 ECTS, Method of grading: (not) successfully completed • talk with demonstrations (approx. 45 minutes) • Assessment offered: once a year, winter semester • Language of assessment: German or English Assessment in module component o8-Ch-GH-ÜiV-3-092: Exercises in Experimental Presentation (Physical Chemistry) for Primary School and Secondary Public School Teachers • 2 ECTS, Method of grading: (not) successfully completed • talk with demonstrations (approx. 45 minutes) • Assessment offered: once a year, winter semester • Language of assessment: German or English						
	Referred to in LPO I	§ 42 (1) 3. Chemie "Übungen im Vortragen mit Demonstrationen"						
08-0C1-GHR-092-	Organic Chemistry 1 (te	eaching degree for secondary schools)						
mo1	ECTS 6 Duration	n 1 semester Method of grading numerical grade Modul level undergraduate						
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English						
	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).						
	Referred to in LPO I	§ 42 (1) 2. Chemie "Organische und Bioorganische Chemie"						

08-0C2-GHR-092-	Organic	Chemi	stry 2 (te	aching	degree for seconda	ry schools)						
mo1	ECTS	7	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5	•	V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	of asse	essment	each; c) ora	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
	other pi	rerequis	sites	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).								
	Referred to in LPO I			§ 42 (§ 42 (1) 2. Chemie "Organische und Bioorganische Chemie"							
08-BC-GHR-092-	Biochemistry (teaching degree for secondary schools)											
mo1	ECTS	4	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	5		V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			writte tion ir	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) Language of assessment: German or English							
	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).								
	Referre	d to in L	PO I	§ 42 (1) 2. Chemie "Organische und Bioorganische Chemie"								

08-AC1-LA-102-	Inorganic Chemistry 1 (teaching degree)												
mo1	ECTS	20	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Course	2S	Т	This module comprises 3 module components. Information on courses will be listed separately for each module component. • 08-AC1-1-102: V + V + Ü (no information on SWS (weekly contact hours) and course language available) • 08-AC1-LA-2-102: P (no information on SWS (weekly contact hours) and course language available) • 08-AC1-LA-3-102: V (no information on SWS (weekly contact hours) and course language available)									
	Metho	d of ass	s	Assessment in module es of Inorganic Chemi 10 ECTS, Methor 10 to 3 written each; 3 written or c) oral examir Language of ass	essful completion of the component o8-AC1-1-1 stry d of grading: numerical examinations (1 written examinations: 60 minumation in groups (groupsessment: German or En	grade examination: approx. 90 minu tes each) or b) oral examination s of 2, approx. 30 minutes) eglish	Il completion of mistry Principle tes; 2 written e n of one candid	all individual assessments. s of Inorganic Chemistry Princip- xaminations: 60 or 90 minutes late each (approx. 20 minutes)					
			A	ses as specified regular attendar regular attendar sessment in module 7 ECTS, Method pre/post-experi Assessment offe Language of assessment in module 3 ECTS, Method a) 1 to 3 written each; 3 written or c) oral examin Language of assessment.	I at the beginning of the nee of exercises (usually component o8-AC1-LA of grading: (not) successment examination talks ered: once a year, summessment: German or Encomponent o8-AC1-LA of grading: numerical gexaminations (1 written examinations: 60 minumention in groups (groupsessment: German or Encomponent: German or Encompositions)	y a maximum of 2 incidents of u -2-102: Inorganic and Analytica ssfully completed (Vor-/Nachtestate, approx. 15 in ner semester inglish -3-102: Inorganic Chemistry 1 (a grade in examination: approx. 90 minutes is of 2, approx. 30 minutes) inglish	ises to be succented absenced	essfully completed) as well as ence). (teaching degree) (log (approx. 5 to 10 pages) (ecture) (teaching degree) (xaminations: 60 or 90 minutes					
		rerequ				are listed in the section on asse							
	Referre	ed to in				che Chemie" und "Physikalisch che Chemie"; "Physikalische un							

Teaching (12 ECTS	credits)										
Teaching Compuls	ory cours	ses (12 E	CTS credi	its)							
o8-FD-ExUnt-092-	Experim	nents in	Chemica	l Educa	ation						
mo1	ECTS	5	Duration		1 semester	Method of gradin	g numerical grade	Modul lev	/el	undergraduate	
	Courses	S		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-FD-ExUnt-1-092: Ü (no information on SWS (weekly contact hours) and course language available) • 08-FD-ExUnt-2-092: S (no information on SWS (weekly contact hours) and course language available)							
	Method	d of asse		stated	d otherwise, succes s ment in module c	sful completion of t	he module will require	successful completion	on of a	s as specified below. Unless all individual assessments. Primary and Secondary Public	
				• • • Asses	4 ECTS, Method of presentation with Language of assessment in module co		orox. 30 minutes) English Unt-2-092: Planning of	f Teaching Units			
				•	presentation (app	grading: numerical rox. 20 minutes) ssment: German or I					
	Referred	d to in LF		§ 38 (§ 38 (1) 1. Didaktik der H	rundschule Chemie auptschule Chemie ittelschule Chemie k					

08-FD-Ch-BM-092-												
mo1	ECTS	4	Duration)	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		This module comprises 2 module components. Information on courses will be listed separately for each module component. • 08-FD-Einf-1-092: V (no information on SWS (weekly contact hours) and course language available) • 08-FD-Ch-BM-2-092: S (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	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.								
	Referre	d to in L	PO I	\$ 36 ((§ 38 (Assessment in module component o8-FD-Einf-1-092: Introduction in Chemistry Education • 3 ECTS, Method of grading: numerical grade • written examination (approx. 90 minutes) • Language of assessment: German or English Assessment in module component o8-FD-Ch-BM-2-092: Introduction in Chemistry Education (accompanying seminar) • 1 ECTS, Method of grading: (not) successfully completed • presentation (approx. 20 minutes) • Language of assessment: German or English § 36 (1) 7. Didaktik der Grundschule Chemie § 38 (1) 1. Didaktik der Hauptschule Chemie							
				§ 38 (1) 1. Didaktik der Mittelschule Chemie § 42 Chemie Fachdidaktik § 62 (1) 6. Chemie Didaktik								
o8-FD-Schu-	-		aching Cl		-	1			1			
lUms-092-m01	ECTS Course:	3 s	Duration		1 semester information on SWS	Method of grading (weekly contact hou	numerical grade rs) and course language availa	Modul level ble)	undergraduate			
	Method of assessment											
Freier Bereich (gen	Referred to in LPO I			§ 36 (1) 7. Didaktik der Grundschule Chemie § 38 (1) 1. Didaktik der Hauptschule Chemie § 38 (1) 1. Didaktik der Mittelschule Chemie § 42 Chemie Fachdidaktik								

Teaching degree students must take modules worth a total of 15 ECTS credits in the area Freier Bereich (general as well as subject-specific electives) (Section 9 LASPO (general academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules from the areas below.

Freier Bereich -- interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmungen für den "Freien Bereich" im Rahmen des Studiums für ein Lehramt".

Subject-specific Extra Skills

(Freier Bereich ((Freier Bereich (general as well as subject-specific electives) subject specific)											
03-TR-072-m01	Toxico	xicology and legal studies										
	ECTS	TS 3 Duration 1 semester Method of grading numerical grade Modul level undergraduate										
	Course	ourses V + V (no information on SWS (weekly contact hours) and course language available)										
	Metho	thod of assessment written examination (approx. 90 minutes)										
LA Grundschulen Chemistry (2009) JMU Würzburg • generated 11-Jan-2023 • exam. reg. data reco										page 8 / 13		

	Physica	al Chen	nistry 4: St	tatistica	al Thermodynamics	5						
	ECTS	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S	Ž	V + Ü (no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method	d of ass		each;	1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes ach; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or oral examination in groups (groups of 2, approx. 30 minutes)							
	other p	rerequi		ning of	dmission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begining of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually maximum of 2 incidents of unexcused absence).							
08-PC3-092-m01	Physica	al and 1	Theoretica	l Chemi	istry 3: Symmetry a	and Quantum Chemis	stry					
	ECTS	6	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü +	- V + Ü (no informat	tion on SWS (weekly	contact hours) and course lang	uage available)				
	Method	d of ass		examir	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)							
	other prerequisites			ning of	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).							
o8-OC-Spec-	Practical spectroscopy 1 (teaching degree for secondary schools)											
LAGY-092-m01	ECTS	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (no i	nformation on SWS	(weekly contact hou	ırs) and course language availa	ble)				
	Method of assessment			a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English								
	Referre	d to in	LPO I	§ 62 (1	§ 62 (1) 2. Chemie "Organische und Bioorganische Chemie"							
08-AC2-PS-LA-102-	Practica	al spec	troscopy 2	(teach	ing degree for sec	ondary schools)		'				
mo1	ECTS	3	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V (no i	nformation on SWS	(weekly contact hou	ırs) and course language availa	ble)				
	Method of assessment			a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minute each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minute c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English								

08-AC2-LAGY-102-	Inorganic Chemistry of the Elements (teaching degree for secondary schools)												
mo1	ECTS 3	Duration	1 semester	Method of gra	ding numerical grade	Me	odul level	undergraduate					
	Courses	·	V (no information on	SWS (weekly contac	t hours) and course lang	uage available))	-					
	Method of ass	sessment	each; 3 written exami	nations: approx. 60 groups of	minutes each) or b) oral 2, approx. 30 minutes)			ations: approx. 60 or 90 minutes date each (approx. 20 minutes) or					
	Referred to in	LPO I	§ 62 (1) 1. Chemie "Allgemeine und Anorganische Chemie"; "Physikalische und Analytische Chemie"										
08-AC3-LA-102-	Elemental Org	ganic Chen	nistry (teaching degre	e for secondary sch	ools)								
mo1	ECTS 4	Duration	1 semester	Method of gra	ding numerical grade	Me	odul level	undergraduate					
	Courses		V + Ü (no information	on SWS (weekly co	ntact hours) and course l	language availa	ıble)						
			each; 3 written exami c) oral examination in Language of assessm	1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes ach; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or oral examination in groups (groups of 2, approx. 30 minutes) anguage of assessment: German, English									
	Modules succ completed	essfully	o8-AC1 (module comp	oonent o8-AC1-4 on	ly) and o8-OC3 (module o	component o8-0	OC3-2 only)						
	other prerequ	isites		ually 70% of exerci	ses to be successfully co			classes as specified at the begin- r attendance of exercises (usually					
08-FBC2-PV-101-	Preparation of Exams Chemistry												
mo1	ECTS 5	Duration	ı semester	Method of gra	ding (not) successfully	completed Mo	odul level	undergraduate					
	Courses		• 08-FBC2-PV-1-1	.o1: S (no informati	nents. Information on cou on on SWS (weekly conta on on SWS (weekly conta	ct hours) and co	ourse İangu						
	Method of ass	sessment						ts as specified below. Unless f all individual assessments.					
			 2 ECTS, Metho successful par Assessment of Language of as Assessment in modul 3 ECTS, Metho successful par Assessment of 	d of grading: (not) sticipation in the formation in the formation once a year, assessment: German ecomponent o8-FE d of grading: (not) sticipation of the formation of the forma	or English GC2-PV-2-101: Preparation uccessfully completed n of short presentations summer semester	on selected ass	signments anic Chemis	·					
	Modules succ	essfully			OC2-LAGY and o8-OC-Pra	akt-LAGY							

08-0C4-LAGY-102-	Organi	c Chem	istry 4 - a	dvance	ed course								
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate				
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)					
	Method	d of ass	essment	each; c) ora	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English								
	Modules successfully completed			08-00	08-OC1 or 08-OC1-GHR								
	other prerequisites			ning	of the course (usual		be successfully completed) as		classes as specified at the begin- r attendance of exercises (usually				
	Referre	d to in I	LPO I	§ 62 (1) 2. Chemie "Orga	nische und Bioorgani	sche Chemie"						
o8-FD-WPF-	Guidan	ce in Se	elf-reliant	Scient	ific Work								
WA-092-m01	ECTS	2	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		S (no	S (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment				presentation (approx. 30 minutes) Language of assessment: German or English								
o8-FD-WPF-PVGS-	Preparation of Exams (Primary and Secondary Public Scholl Teachers)												
HS-092-m01	ECTS	2	Duratio		1 semester	Method of grading		Modul level	undergraduate				
	Course	Courses		S (no	S (no information on SWS (weekly contact hours) and course language available)								
		Method of assessment			written examination (approx. 30 minutes)								
o8-FD-WPF-		acurricular Sites											
LLL-092-m01	ECTS	4	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course	S		This r	08-FD-WPF-LLL-1-0	092: S (no information	s. Information on courses will be n on SWS (weekly contact hours n on SWS (weekly contact hours	s) and course la					
	Method of assessment			stated	d otherwise, succes	ssful completion of the	essments in the individual mode e module will require successfu	ıl completion of	all individual assessments.				
				Asses	2 ECTS, Method of presentation of a Language of assessment in module c 2 ECTS, Method of successful superv	f grading: (not) succes project (approx. 30 m ssment: German or Er	inutes) glish F-LLL-2-092: School Lab ssfully completed in learn-teach-lab	xtracurricular Si	tes				

08-PC-ESS-092-	Electro	nic stru	cture and	spect	roscopy			1				
mo1	ECTS	3	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method	d of ass	essment	each; c) ora	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes). anguage of assessment: German or English							
	other p	rerequi	sites	ning o	idmission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the begining of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (usually maximum of 2 incidents of unexcused absence).							
08-TC-LA-092-m01	Theore	tical M	odels in C	hemist	ry (teaching degre	e for secondary schoo	ols)					
	ECTS	3	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	:S		V + Ü	+ Ü (no information on SWS (weekly contact hours) and course language available)							
	Method	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 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).							
08-0C3-LA-102-	Organi	c Chem	istry 3 (te	aching	degree for second	ary schools)						
mo1	ECTS	6	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	:S		V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)				
	Method	Method of assessment			a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: approx. 60 or 90 minutes each; 3 written examinations: approx. 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) c) oral examination in groups (groups of 2, approx. 30 minutes) Language of assessment: German or English							
		Modules successfully completed			08-OC1 or 08-OC1-GHR							
	other p	rerequi	sites	ning o	of the course (usual		be successfully completed) as		classes as specified at the begin- attendance of exercises (usually			

Thesis (10 ECTS credits)

Preparation of a written Hausarbeit (thesis) in accordance with the provisions of Section 29 LPO I (examination regulations for teaching-degree programmes) is a prerequisite for teaching degree students to be admitted to the Erste Staatsprüfung (First State Examination). In accordance with the provisions of Section 29 LPO I, students studying for a teaching degree Grundschule may write this thesis in the subject Didaktik der Grundschule (Didactics of Grundschule), in the subject they selected as Unterrichts-

fach (subject studied with a focus on the scientific discipline) or in the subject Erziehungswissenschaften (Educational Science). Pursuant to Section 29 Subsection 1 Sentence 2 LPO I, students may also choose to write an interdisciplinary thesis.									
	Admission work (Chemistry for Primary School Teachers)								
	ECTS	10 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses			no courses assigned					
	Method of assessment			written thesis (Zulassungsarbeit, approx. 40 pages) Language of assessment: German, exceptions in accordance with Section 29 LPO I (examination regulations for teaching degree programmes)					
	Modules successfully completed			Where applicable, specific modules/module components as specified by supervisor.					