

## **Annex SFB**

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

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2013

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)):

### 25-Sep-2014 (2014-55)

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											
	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	ble							
	Participants on of places		ocati- if applica	ible							
	Additional in	format	ion if applica	ble							
	Referred to in	n LPO I	if applica	ble (examination reg	gulations for teaching	g-degree programmes)					

Scientific Disciplin	e (54 EC	TS credi	ts)									
Compulsory Course	es (54 EC	TS cred	its)									
08-PC-GHR-102-	Physical Chemistry (teaching degree for secondary schools)											
mo1	ECTS	4	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	S		V + Ü	(no information on S	WS (weekly contact	hours) and course language av	ailable)				
	Method	d of asse	essment	writte	n examination (appr	ox. 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-	Organic Chemistry - laboratory course (teaching degree for secondary schools)											
GHR-092-m01	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (no information on SWS (weekly contact hours) and course language available)								
	Method	d of asse	essment	Asses	ost-experiment exan sment offered: once age of assessment:	a year, summer sem	Nachtestate, approx. 15 minute nester	s each), log (ap	prox. 5 to 10 pages)			
	Referre	d to in L	PO I	§ 42 (	1) 2. Chemie "Organi	sche und Bioorganis	sche Chemie"					
o8-PC-VKM-	Basic A	<b>Nathema</b>	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	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment exercises (4 work sheets) Language of assessment: German or English											

o8-Ch-GH-	Exercises in Experiment	tal Presentation							
ÜiV-092-m01	ECTS 6 Duratio	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.  • 08-Ch-LA-ÜiV-1-092: Ü (no information on SWS (weekly contact hours) and course language available)  • 08-Ch-LA-ÜiV-2-092: Ü (no information on SWS (weekly contact hours) and course language available)  • 08-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							
	Referred to in LPO I	• Language of assessment: German or English § 42 (1) 3. Chemie "Übungen im Vortragen mit Demonstrationen"							
08-OC1-GHR-092-	Organic Chemistry 1 (te	aching degree for secondary schools)							
mo1	ECTS 6 Duratio								
	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) 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 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).							
	Referred to in LPO I	§ 42 (1) 2. Chemie "Organische und Bioorganische Chemie"							

08-0C2-GHR-092-	Organic Chemistry 2 (teaching degree for secondary schools)									
mo1	ECTS	7	Duration	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment		each; c) ora	3 written examination	ons: approx. 60 minu ups (groups of 2, app	tes each) or b) oral examination		ions: approx. 60 or 90 minutes ate each (approx. 20 minutes) or		
	other pi	other prerequisites			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).					
	Referre	d to in L	PO I	§ 42 (	1) 2. Chemie "Organi	ische und Bioorganis	che Chemie"			
08-BC-GHR-092-	Biocher	mistry (	teaching	g 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 S	SWS (weekly contact	hours) and course language ava	ailable)		
	Method of assessment			writte tion ir	n examinations: 60 i	minutes each) or b) o 2, approx. 30 minutes	oral examination of one candida		cions: 60 or 90 minutes each; 3 x. 20 minutes) or c) oral examina-	
	other pi	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 "Organi	ische und Bioorganis	che Chemie"			

08-AC1-LA-102-	Inorgai	nic Che	mistry 1 (te	aching degree)						
mo1	ECTS	20	Duration	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		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)						
	Method	d of ass	9	stated otherwise, succe Assessment in module les of Inorganic Chemis	dule comprises the assessments in the individual mossful completion of the module will require successful component o8-AC1-1-102: Principles of Inorganic Chartry	ful completion of	all individual assessments.			
				<ul> <li>a) 1 to 3 written of each; 3 written of c) oral examin</li> <li>Language of assortion</li> <li>Other prerequisities ses as specified regular attendan</li> </ul>	d of grading: numerical grade examinations (1 written examinations approx. 90 min examinations: 60 minutes each) or b) oral examination in groups (groups of 2, approx. 30 minutes) essment: German or English tes: Admission prerequisite to assessment: successfuat the beginning of the course (usually 70% of exercise (usually a maximum of 2 incidents of component o8-AC1-LA-2-102: Inorganic and Analytic	on of one candid al completion of e rcises to be succ unexcused abse	exercises in the respective clasessfully completed) as well as ince).			
				<ul> <li>7 ECTS, Method of pre/post-expering</li> <li>Assessment offered Language of assement in module</li> <li>3 ECTS, Method of all 1 to 3 written of each; 3 written of or c) oral examing</li> </ul>	of grading: (not) successfully completed ment examination talks (Vor-/Nachtestate, approx. 15 red: once a year, summer semester essment: German or English component o8-AC1-LA-3-102: Inorganic Chemistry 1 of grading: numerical grade examinations (1 written examination: approx. 90 minexaminations: 60 minutes each) or b) oral examination in groups (groups of 2, approx. 30 minutes) essment: German or English	minutes each), (accompanying loutes; 2 written e	log (approx. 5 to 10 pages) ecture) (teaching degree) xaminations: 60 or 90 minutes			
	other p	rerequi	sites E							
	Referre	d to in I			emeine und Anorganische Chemie" und "Physikalisc emeine und Anorganische Chemie"; "Physikalische u					

Teaching (12 ECTS	credits)										
· .	Experi	ments ir	ı Chemica	l Education							
mo1	ECTS	5	Duratio	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate			
	Course			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)							
	Metho	d of ass	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.							
				Schools      4 ECTS, Me     presentatio     Language of  Assessment in mo     1 ECTS, Me     presentatio     Language of	thod of grading: numerical on with demonstration (applet assessment: German or bodule component o8-FD-Exthod of grading: numerical on (approx. 20 minutes) of assessment: German or	grade orox. 30 minutes) English E <b>Unt-2-092:</b> Planning of To grade English	-	Primary and Secondary Public			
	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							
08-FD-Ch-BM-092-	Chemi	stry Edu	cation: E	ducational Theory	and Models of Teaching Co	ncepts					
mo1	ECTS 4 Duratio			1 semester	Method of gradin	g numerical grade	Modul level	undergraduate			
	Courses			<ul> <li>o8-FD-Einf-</li> </ul>	orises 2 module componer 1-092: V (no information o M-2-092: S (no informatio	n SWS (weekly contact ho	ours) and course langua				
		d of asso		Assessment in mo      3 ECTS, Me     written exa     Language of Assessment in mo     1 ECTS, Me     presentatio     Language of § 36 (1) 7. Didakti	odule component o8-FD-Ei thod of grading: numerical mination (approx. 90 minus of assessment: German or bodule component o8-FD-Ch thod of grading: (not) successin (approx. 20 minutes) of assessment: German or both k der Grundschule Chemie	he module will require sunf-1-092: Introduction in (and grade lites) English In-BM-2-092: Introduction essfully completed	uccessful completion of Chemistry Education	s as specified below. Unless all individual assessments.  (accompanying seminar)			
				§ 38 (1) 1. Didakti	k der Hauptschule Chemie k der Mittelschule Chemie didaktik						
LA Mittelschulen Chemis	try (2013)					JMU Würzburg ● generated	d 26-Aug-2024 • exam. reg. data r	ecord L7 032 - - H 2013 page 7 / :			

o8-FD-Schu-										
IUms-092-m01 ECTS 3 Duration 1 semester Method of grading numerical grade Modul level undergraduate									undergraduate	
	Course	Courses S (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment Testat (exam, approx. 20 minutes) Language of assessment: German or English									
	Referre	ed to in L	PO I	§ 38 ( § 38 (	1) 7. Didaktik der Gru 1) 1. Didaktik der Ha 1) 1. Didaktik der Mit Chemie Fachdidaktik	uptschule Chemie telschule Chemie				

#### Freier Bereich (general as well as subject-specific electives)

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 (general as well as subject-specific electives) -- subject specific) 03-TR-072-m01 Toxicology and legal studies **ECTS** Method of grading | numerical grade Modul level undergraduate 13 Duration 1 semester V + V (no information on SWS (weekly contact hours) and course language available) Courses Method of assessment | written examination (approx. 90 minutes) o8-PC4-092-mo1 Physical Chemistry 4: Statistical Thermodynamics ECTS Duration Modul level 1 semester Method of grading | numerical grade 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) Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the beginother prerequisites 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-PC3-092-m01 Physical and Theoretical Chemistry 3: Symmetry and Quantum Chemistry **ECTS** 6 Duration 1 semester Method of grading | numerical grade Modul level undergraduate V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available) Courses 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 of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes) 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).

o8-OC-Spec-	Practical spec	troscopy 1	(teach	ing degree for seco	ndary schools)						
LAGY-092-m01	ECTS 3	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	V (no information on SWS (weekly contact hours) and course language available)								
	Method of ass		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								
	Referred to in		§ 62 (1) 2. Chemie "Organische und Bioorganische Chemie"								
08-AC2-PS-LA-102-				ning degree for seco			-	,			
mo1	ECTS 3	Duration	<del>`</del>	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	V (no i	nformation on SWS	(weekly contact hou	rs) and course language availa	able)				
	Method of ass		each; c) oral	3 written examination	ons: approx. 60 minuups (groups of 2, app	ıtes each) or b) oral examinati		itions: approx. 60 or 90 minutes date each (approx. 20 minutes) or			
08-AC2-LAGY-102-	Inorganic Che	mistry of th	he Eler	ne Elements (teaching degree for secondary schools)							
mo1	ECTS 3 Duratio			1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (no i	nformation on SWS	(weekly contact hou	rs) and course language availa	able)				
	Method of ass		each; c) oral	3 written examination	ons: approx. 60 minuups (groups of 2, app	utes each) or b) oral examinati	written examina on of one candio	ations: approx. 60 or 90 minutes date each (approx. 20 minutes) or			
	Referred to in	LPO I	§ 62 (1	ı) 1. Chemie "Allgem	neine und Anorganisc	che Chemie"; "Physikalische u	nd Analytische	Chemie"			
08-AC3-LA-102-	Elemental Org	ganic Chemi	istry (1	teaching degree for	secondary schools)		,				
mo1	ECTS 4	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	•	V + Ü (	(no information on S	SWS (weekly contact	hours) and course language a	vailable)				
	Method of ass		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, English								
	Modules succ	essfully	08-AC	1 (module compone	ent 08-AC1-4 only) an	d o8-OC3 (module component	08-0C3-2 only)				
	other prerequi	1	ning o	f the course (usually		be successfully completed) a		classes as specified at the begin- r attendance of exercises (usually			

08-FBC2-PV-101-	Prepara	tion of	Exams Ch	nemisti	ry							
mo1	ECTS	5	Duration	n	1 semester	Method of gradir	ng (not) successfully o	completed	Modul level	undergraduate		
	Courses			This module comprises 2 module components. Information on courses will be listed separately for each module component.  • 08-FBC2-PV-1-101: S (no information on SWS (weekly contact hours) and course language available)  • 08-FBC2-PV-2-101: S (no information on SWS (weekly contact hours) and course language available)								
	Method	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.							
				Asses	2 ECTS, Method o successful partici Assessment offer Language of asse sment in module of 3 ECTS, Method o successful partici Assessment offer	f grading: (not) such pation in the form of ed: once a year, sur ssment: German or omponent o8-FBC2 f grading: (not) such	English  P-PV-2-101: Preparation  cessfully completed  of short presentations of  mmer semester	on selected n of Exams C	assignments Organic Chemis			
	Modules complet	ed	Í		o8-OC2-GHR and o8-OC-Prakt-GHR or o8-OC2-LAGY and o8-OC-Prakt-LAGY							
08-0C4-LAGY-102-	Organic	Chemi	stry 4 - a	dvance	d course				0			
mo1	ECTS	5	Duration		1 semester		ng numerical grade		Modul level	undergraduate		
	Courses			V + Ü	(no information on	SWS (weekly conta	ct hours) and course la	anguage ava	ailable)			
	Method	of asse	essment	each; c) oral	3 written examinat examination in gr	tions: approx. 60 m	inutes each) or b) oral approx. 30 minutes)			tions: approx. 60 or 90 minutes date each (approx. 20 minutes) or		
	Modules complet		ssfully	08-00	1 or 08-OC1-GHR							
	other pr	erequis	sites	ning o	Admission prerequisite to assessment: successful completion of exercises in the respective classes as specified at the bining of the course (usually 70% of exercises to be successfully completed) as well as regular attendance of exercises (us a maximum of 2 incidents of unexcused absence).							
	Referred	l to in L	PO I	§ 62 (1) 2. Chemie "Organische und Bioorganische Chemie"								
o8-FD-WPF-	Guidano	e in Se	lf-reliant	Scientific Work								
WA-092-m01	ECTS	2	Duration	n	1 semester	Method of gradir	ng (not) successfully o	completed	Modul level	undergraduate		
	Courses			S (no	information on SW	S (weekly contact h	ours) and course langu	uage availal	ole)	·		
	Method of assessment				ntation (approx. 30 age of assessmen	minutes) t: German or Englisl	1	·				

o8-FD-WPF-PVGS-	Preparation of	Exams (P	rimary and Seco	ndary Pub	olic Scholl Teacher	rs)					
HS-092-m01	ECTS 2	Duration				g numerical grad		Modul level	undergraduate		
	Courses		S (no informatio	S (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	written examination (approx. 30 minutes)								
o8-FD-WPF-	Extracurricula	r Sites									
LLL-092-m01	ECTS 4	Duration	1 semeste	er	Method of gradir	g (not) successf	ully completed	Modul level	undergraduate		
	Courses		<ul> <li>o8-FD-WF</li> </ul>	This module comprises 2 module components. Information on courses will be listed separately for each module component.  • 08-FD-WPF-LLL-1-092: S (no information on SWS (weekly contact hours) and course language available)  • 08-FD-WPF-LLL-2-092: P (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	stated otherwise	e, success	sful completion of	the module will re	equire successful	l completion of	ts as specified below. Unless all individual assessments.		
			<ul> <li>2 ECTS, N</li> <li>presentate</li> <li>Language</li> <li>Assessment in r</li> <li>2 ECTS, N</li> <li>successful</li> </ul>	Method of stion of a perfect of assessmodule content of supervisual supervisua	emponent o8-FD-W grading: (not) succeroject (approx. 30 sment: German or emponent o8-FD-W grading: (not) succession of experiment sment: German or	cessfully complete minutes) English IPF-LLL-2-092: Scl cessfully complete s in learn-teach-la	ed hool Lab ed	tracurricular Si	tes		
08-PC-ESS-092-	Electronic structure and spectroscopy										
mo1	ECTS 3	Duration	1 semeste	er	Method of gradir	g numerical grad	de	Modul level	undergraduate		
	Courses	•	V + Ü (no inform	ation on S	SWS (weekly conta	ct hours) and cou	rse language ava	ailable)	•		
	Method of ass	essment	each; 3 written e c) oral examinat	examination in gro		inutes each) or b) approx. 30 minute	oral examination		tions: approx. 60 or 90 minutes date each (approx. 20 minutes) or		
	other prerequi	sites	ning of the cours	sė (usually		to be successfull			classes as specified at the begin- r attendance of exercises (usually		
08-TC-LA-092-m01	Theoretical Mo	odels in C	hemistry (teachii	ng degree	for secondary sch	iools)					
	ECTS 3	Duration	1 semeste	er	Method of gradir	g numerical grad	de	Modul level	undergraduate		
	Courses				SWS (weekly conta	<u> </u>					
	Method of ass	essment	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 prerequi	sites	ning of the cours	sė (usually		to be successfull			classes as specified at the begin- r attendance of exercises (usually		

08-0C3-LA-102-	Organi	ic Chem	istry 3 (te	aching	aching degree for secondary schools)							
mo1	ECTS	6	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	es	,	V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment		each; c) ora	3 written examination	ons: approx. 60 minuups (groups of 2, app	ıtes each) or b) oral examinatio		tions: approx. 60 or 90 minutes date each (approx. 20 minutes) or				
	Modul		essfully	08-00	C1 or 08-OC1-GHR							
	otherp	orerequi	sites	ning (	of the course (usually		be successfully completed) as		classes as specified at the begin- r attendance of exercises (usually			
site for teaching d ing for a teaching in the subject they	ritten Ha egree stu degree <i>N</i> selected	udents t Nittelsch d as Unt	o be adm ule may v errichtsfa	tted to vrite th ch (sul	the Erste Staatsprüis thesis in the subjected with a	fung (First State Exar ect Didaktik einer Fäo focus on the scientif	nination). In accordance with th Chergruppe der Mittelschule (Di	ne provisions of idactics of a Gro	egree programmes) is a prerequi- f Section 29 LPO I, students study oup of Subjects of Mittelschule), enschaften (Educational Science)			
o8-Ch-HA-UF-	Admis	sion wo	rk (Chemi	stry fo	r Secondary School	Teachers)						
HS-092-m01	ECTS	10	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Course	es		no co	urses assigned							
	Metho	d of ass	essment	Langu		sarbeit, approx. 40 p German, exceptions		LPO I (examina	tion regulations for teaching de-			

Where applicable, specific modules/module components as specified by supervisor.

gree programmes)

Modules successfully

completed