



Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Didactics in Chemistry (Secondary School) as Didaktikfach with the degree "Erste Staatsprüfung für das Lehramt an Hauptschulen"

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2009

Abbreviations used:	Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = project, \mathbf{S} = seminar, \mathbf{T} = tutorial, $\ddot{\mathbf{U}}$ = exercise, \mathbf{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 cre- ditable 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 me- thod 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.
	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 al

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

LASPO2009

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

11-Jan-2012 (2011-103)

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

Every module will be described using the following form:

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

Successful comp			bject selected as Didaktikfach (subject studie the subject Didaktiken einer Fächergruppe d									
o8-FD-Ch-BM-	Chemistry Education: Educational Theory and Models of Teaching Concepts											
Did-092-m01	ECTS 5 Duration	n 1 semester	Method of grading numerical grade	Modul level	undergraduate							
	Courses	• 08-FD-Einf-1-092	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o8-FD-Einf-1-092: V (no information on SWS (weekly contact hours) and course language available) o8-FD-Ch-BM-Did-2-092: S (no information on SWS (weekly contact hours) and course language available) 									
	Method of assessment	stated otherwise, succe Assessment in module 3 ECTS, Method written examina Language of ass Assessment in module 2 ECTS, Method presentation (ap	dule comprises the assessments in the indiviessful completion of the module will require s component o8-FD-Einf-1-092: Introduction in of grading: numerical grade tion (approx. 90 minutes) essment: German or English component o8-FD-Ch-BM-Did-2-092: Genera of grading: (not) successfully completed oprox. 20 minutes) essment: German or English	successful completion of Chemistry Education	all individual assessments.							
	Referred to in LPO I	§ 36 (1) 7. Didaktik der § 38 (1) 1. Didaktik der § 38 (1) 1. Didaktik der § 38 (1) 1. Didaktik der § 42 Chemie Fachdidal § 62 (1) 6. Chemie Dida	Hauptschule Chemie Mittelschule Chemie «tik									

o8-FD-Schu-	Concepts of Teac	ning Chemistry								
lUms-Did-092-m01	ECTS 5 D	uration 1 semester Method of grading numerical grade Modul level undergraduate								
	Courses	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o8-FD-SchulUms-1-092: S (no information on SWS (weekly contact hours) and course language available) o8-FD-SchulUms-Did-2-092: S (no information on SWS (weekly contact hours) and course language available) 								
	Method of assess	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-FD-SchulUms-1-092: Technical Contents and Practicabilities in Schools 3 ECTS, Method of grading: numerical grade Testat (exam, approx. 20 minutes) Language of assessment: German or English Assessment in module component o8-FD-SchulUms-Did-2-092: Theoretical Basics of School-Chemistry 2 ECTS, Method of grading: numerical grade written examination (approx. 45 minutes) Language of assessment: German or English 								
	Referred to in LPC	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-ExUnt-092-	Experiments in Chemical Education									
m01	ECTS 5 D	uration 1 semester Method of grading numerical grade Modul level undergraduate								
	Courses	 This module comprises 2 module components. Information on courses will be listed separately for each module component. o8-FD-ExUnt-1-092: Ü (no information on SWS (weekly contact hours) and course language available) o8-FD-ExUnt-2-092: S (no information on SWS (weekly contact hours) and course language available) 								
	Method of assess	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-FD-ExUnt-1-o92: Experiments in Chemical Teaching at Primary and Secondary Public Schools 4 ECTS, Method of grading: numerical grade presentation with demonstration (approx. 30 minutes) Language of assessment: German or English Assessment in module component o8-FD-ExUnt-2-o92: Planning of Teaching Units 1 ECTS, Method of grading: numerical grade presentation (approx. 20 minutes) Language of assessment: German or English 								
	Referred to in LPO	§ 36 (1) 7. Didaktik der Grundschule Chemie § 38 (1) 1. Didaktik der Hauptschule Chemie § 38 (1) 1. Didaktik der Mittelschule Chemie § 42 Chemie Fachdidaktik								

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Courses This module comprises 2 module components. Information on courses will be listed separately for each module 0 08-FD-HS-Did-2-092: S (no information on SWS (weekly contact hours) and course language available) Method of assessment Assessment in module component 08-FD-HS-Did-2-092: S (lo on formation on SWS (weekly contact hours) and course language available) Method of assessment Assessment in module component 08-FD-HS-Did-1-092: Social Forms in Chemistry Learning at Comprehensive S 9 3 ECTS, Method of grading: numerical grade 9 presentation (approx. 45 minutes) • 2 ECTS, Method of grading: (not) successfull completed • presentation of a field trip to out-of-classroom learning environments (approx. 45 minutes) • Language of assessment: German or English Assessment in module component 08-FD-HS-Did-2-092: Extracurricular Sites • 2 ECTS, Method of grading: (not) successfully completed • presentation of a field trip to out-of-classroom learning environments (approx. 45 minutes) • Language of assessment: German or English Referred to in LPO I § 38 (1) 1. Didaktik der Hauptschule Chemie § 3 (2) 1. Didaktik der Mittelschule 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 subjec	mo1	ECTS	5	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
stated otherwise, successful completion of the module will require successful completion of all individual asses Assessment in module component o8-FD-HS-Did-1-og2: Social Forms in Chemistry Learning at Comprehensive S • 3 ECTS, Method of grading: numerical grade • presentation (approx. 45 minutes) • Language of assessment in module component o8-FD-HS-Did-2-og2: Extracurricular Sites • 2 ECTS, Method of grading: (not) successfully completed • presentation of a field trip to out-of-classroom learning environments (approx. 45 minutes) • Language of assessment: German or English Referred to in LPO I § 38 (1). Didaktik der Hauptschule Chemie § 38 (1). Didaktik der Mittelschule Chemie reier Bereich (general as well as subject-specific electives) reaching 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 areas below. reieral Bereich - interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmunge Freien Bereich" im Rahmen des Studiums für ein Lehramt". Subject-specific Electives) subject specific Subject -specific Electives) subject specific Subject-specific Electives) subject specific Subject-specific Electives) subject specific ECTS 4 Duration 1 semester			-		•	his module comprises 2 module components. Information on courses will be listed separately for each module component • 08-FD-HS-Did-1-092: S (no information on SWS (weekly contact hours) and course language available)						
 3 ECTS, Method of grading: numerical grade presentation (approx. 45 minutes) Language of assessment: German or English Assessment in module component o8-FD-HS-Did-2-o92: Extracurricular Sites 2 ECTS, Method of grading: (not) successfully completed presentation of a field trip to out-of-classroom learning environments (approx. 45 minutes) Language of assessment: German or English Referred to in LPO I § 38 (1) 1. Didaktik der Hauptschule Chemie § 38 (1) 1. Didaktik der Mittelschule Chemie seching degree students must take modules worth a total of 15 ECTS credits in the area Freier Bereich (general as well as subject-specific electives) Beaching 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 ereal academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modures below. reier Bereich 'im Rahmen des Studiums für ein Lehramt''. ubject-specific Extra Skills reier Bereich (general as well as subject-specific electives) subject specific. Physical Chemistry (teaching degree for secondary schools) Intemester Met				stated	l otherwise, suc	cessful completion of th	e module will require su	ccessful completion of	all individual assessments.			
§ 38 (i) 1. Didaktik der Mittelschule ChemieFreier Bereich (general as well as subject-specific electives) reaching 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 neral academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modu areas below. Freier Bereich interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmunge Freien Bereich" im Rahmen des Studiums für ein Lehramt".Subject-specific Extra Skills Freier Bereich (general as well as subject-specific electives) subject specific)Physical Chemistry (teaching degree for secondary schools)no1ECTS4Duration1 semesterMethod of gradingnumerical gradeModul levelundergraduate						3 ECTS, Method presentation (a Language of as sment in modul 2 ECTS, Method presentation of	d of grading: numerical g pprox. 45 minutes) sessment: German or El e component o8-FD-HS d of grading: (not) succe a field trip to out-of-cla	rade nglish Did-2-092: Extracurricul ssfully completed ssroom learning environ	ar Sites			
eaching 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 eral academic and examination regulations for teaching-degree programmes)). To achieve the required number of ECTS credits, students may take any modules reas below. reier Bereich interdisciplinary: The interdisciplinary additional offer for a teaching degree can be found in the respective Annex "Ergänzende Bestimmunge Freien Bereich" im Rahmen des Studiums für ein Lehramt". ubject-specific Extra Skills Freier Bereich (general as well as subject-specific electives) subject specific) 8-PC-GHR-102- 101 Physical Chemistry (teaching degree for secondary schools) ECTS <u>4</u> Duration <u>1 semester</u> Method of grading <u>numerical grade</u> <u>Modul level</u> undergraduate		Referre	d to in l									
Preier Bereich (general as well as subject-specific electives) subject specific) 8-PC-GHR-102- Physical Chemistry (teaching degree for secondary schools) 101 ECTS 4 Duration 1 semester Method of grading numerical grade Modul level undergraduate	eaching degree stu eral academic and reas below. reier Bereich inte	dents n examin rdiscipl	nust tak lation re linary: T	ke module egulations he interdi	s worth for tea sciplin	h a total of 15 EC aching-degree p ary additional o	rogrammes)). To achiev	e the required number of	f ECTS credits, students	s may take any modules from the		
ECTS 4 Duration 1 semester Method of grading numerical grade Modul level undergraduate				subject-sp	ecific e	electives) subj	ect specific)					
Let's 4 Duration I semester Method of grading indifference grade Modulitever undergraduate	8-PC-GHR-102-	Physica	al Chem	istry (tea	ching degree for secondary schools)							
Courses V + Ü (no information on SWS (weekly contact hours) and course language available)	101	ECTS	4	Duratior	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	[Course	S		V + Ü	(no information	on SWS (weekly contact	hours) and course lang	uage available)			
Method of assessment written examination (approx. 60 minutes)		Method	d of ass	essment	written examination (approx. 60 minutes)							

 Referred to in LPO I
 § 42 (1) 1. Chemie "Allgemeine und Anorganische Chemie" und "Physikalische und Analytische Chemie"

 08-AC2-LAGY-102 Inorganic Chemistry of the Elements (teaching degree for secondary schools)

	0				<u> </u>	,	•		
m01	ECTS	3	Duration	1 I	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses V				nformation on SWS	(weekly contact hou	rs) and course language availat	ole)	
	Method of assessment				3 written examinati examination in gro		ites each) or b) oral examination		ions: approx. 60 or 90 minutes ate each (approx. 20 minutes) or
	Referred to in LPO I			§ 62 (:	ı) 1. Chemie "Allgen	neine und Anorganiso	che Chemie"; "Physikalische un	d Analytische C	hemie"

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o8-OC-Prakt-	Organic Chemistry - laboratory course (teaching degree for secondary schools)									
GHR-092-m01	ECTS	5	Duratio	1 1	ı semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Course	S		P (no in	formation on SWS	(weekly contact hours) and course language availab	le)			
	Metho	d of ass	essment			nination talks (Vor-/Nachtestate, approx. 15 minutes	each), log (ap	pprox. 5 to 10 pages)		
						e a year, summer semester				
	D.C.		<u> </u>		-	German or English				
		d to in l	-			ische und Bioorganische Chemie"				
08-PC-VKM- LA-102-m01		-	atics (tea		• •					
LA-102-11101		2	Duratio		l semester		Modul level	undergraduate		
	Course			<u> </u>		SWS (weekly contact hours) and course language ava	ilable)			
	Method	d of ass	essment		es (4 work sheets)					
	F !-				-	German or English				
08-Ch-GH- ÜiV-092-m01			(periment							
010 092 1101		6	Duratio		L semester		Modul level	undergraduate		
	Course	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) 					
	Methoo	d of ass	essment	Assessr stated o	ment in this modu otherwise, success	e comprises the assessments in the individual modu ful completion of the module will require successful	lle componen completion of	ts as specified below. Unless f all individual assessments.		
				 2 t. A L Assessi 2 t. A L Assessi mary Sc 2 t. A 	2 ECTS, Method of calk with demonstr Assessment offere Language of asses ment in module co 2 ECTS, Method of calk with demonstr Assessment offere Language of asses ment in module co chool and Seconda 2 ECTS, Method of calk with demonstr Assessment offere	<pre>mponent o8-Ch-LA-ÜiV-1-o92: Exercises in Experime grading: (not) successfully completed ations (approx. 45 minutes) d: once a year, winter semester sment: German or English mponent o8-Ch-LA-ÜiV-2-o92: Exercises in Experime grading: (not) successfully completed ations (approx. 45 minutes) d: once a year, winter semester sment: German or English mponent o8-Ch-GH-ÜiV-3-o92: Exercises in Experime sment: German or English mponent o8-Ch-GH-ÜiV-3-o92: Exercises in Experime grading: (not) successfully completed ations (approx. 45 minutes) d: once a year, winter semester sment: German or English mponent o8-Ch-GH-ÜiV-3-o92: Exercises in Experime grading: (not) successfully completed ations (approx. 45 minutes) d: once a year, winter semester sment: German or English</pre>	ental Presenta	tion (Organic Chemistry)		
	Referre	d to in l	PO I	§ 42 (1) 3. Chemie "Übungen im Vortragen mit Demonstrationen"						

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08-0C1-GHR-092-	Organic Chemistry 1 (teaching degree for secondary schools)									
m01	ECTS 6	Duration	1 semester	Method of grading numerica	al grade	Modul level	undergraduate			
	Courses	-	V + Ü (no information o	n SWS (weekly contact hours) an	d course language av	vailable)				
	Method of asse	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) Language of assessment: German or English							
	other prerequis	sites	ning of the course (usu				classes as specified at the begin- r attendance of exercises (usually			
	Referred to in L	PO I	§ 42 (1) 2. Chemie "Org	anische und Bioorganische Cher	nie"					
08-0C2-GHR-092-	Organic Chemi	istry 2 (te	aching degree for secor	idary schools)						
m01	ECTS 7	Duration	1 semester	Method of grading numerica	al grade	Modul level	undergraduate			
	Courses		V + Ü (no information o	n SWS (weekly contact hours) an	d course language av	vailable)				
	Method of asse	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) Language of assessment: German or English							
	other prerequis	sites	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 L	PO I	§ 42 (1) 2. Chemie "Org	anische und Bioorganische Cher	nie"					
08-BC-GHR-092-	Biochemistry (teaching degree for secondary schools)									
m01	ECTS 4	Duration	1 semester	Method of grading numerica	al grade	Modul level	undergraduate			
	Courses		$V + \ddot{U}$ (no information of	n SWS (weekly contact hours) an	d course language av	vailable)				
	Method of asse	essment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes ea written examinations: 60 minutes each) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral ex tion 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 "Org	anische und Bioorganische Cher	nie"					
o8-FD-WPF-	Guidance in Se	elf-reliant	Scientific Work							
WA-092-m01	ECTS 2	Duration		Method of grading (not) suc	, ,		undergraduate			
	Courses		S (no information on S	WS (weekly contact hours) and co	ourse language availa	able)				
	Method of asse	essment	presentation (approx. Language of assessme							

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08-FD-WPF-PVGS- HS-092-m01	Preparation of Exams (Primary and Secondary Public Scholl Teachers)									
	ECTS	TS 2 Duration		า	1 semester	Method of grading n	numerical grade	Modul level	undergraduate	
	Course	S		S (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of ass	essment	written examination (approx. 30 minutes)						
08-FD-WPF- LLL-092-m01	Extracurricular Sites									
	ECTS 4 Duratio		ı	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate		
	Course	_		 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) 						
	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. Assessment in module component o8-FD-WPF-LLL-1-092: Opportunities of Extracurricular Sites • 2 ECTS, Method of grading: (not) successfully completed • presentation of a project (approx. 30 minutes) • Language of assessment: German or English Assessment in module component o8-FD-WPF-LLL-2-092: School Lab • 2 ECTS, Method of grading: (not) successfully completed • successful supervision of experiments in learn-teach-lab • Language of assessment: German or English						

08-AC1-LA-102- m01	Inorganic Chemistry 1 (teaching degree)										
	ECTS	20	Duration	n 1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			 This module comprises 3 module components. Information on courses will be listed separately for each module component. o8-AC1-1-102: V + V + Ü (no information on SWS (weekly contact hours) and course language available) o8-AC1-LA-2-102: P (no information on SWS (weekly contact hours) and course language available) o8-AC1-LA-3-102: V (no information on SWS (weekly contact hours) and course language available) o8-AC1-LA-3-102: V (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-AC1-1-102: Principles of Inorganic Chemistry Principles of Inorganic Chemistry 10 ECTS, Method of grading: numerical grade a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examination: for 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). Assessment in module component o8-AC1-LA-2-102: Inorganic and Analytical Chemistry (lab) (teaching degree) 7 ECTS, Method of grading: (not) successfully completed pre/post-experiment examination talks (Vor-/Nachtestate, approx. 15 minutes each), log (approx. 5 to 10 pages) Assessment in module component o8-AC1-LA-3-102: Inorganic Chemistry 1 (accompanying lecture) (teaching degree) 3 ECTS, Method of grading: numerical grade a) 1 to 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations (1 written examination: approx. 90 minutes; 2 written examinations: 60 or 90 minutes each; 3 written examinations (2 approx. 30 rol or 2) or 2 axprox. 20 minutes) Language of as							
	other prerequisites Referred to in LPO I			By way of exception, additional prerequisites are listed in the section on assessments.							
							sikalische und Analytisc lische und Analytische C				

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 Hauptschule may write this thesis in the subject Didaktik einer Fächergruppe der Hauptschule (Didactics of a Group of Subjects of Hauptschule), in the subject they selected as Unterrichtsfach (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.

o8-Ch-HA-DF-	Admission work (Chemistry for Secondary School Teachers									
HS-092-m01	ECTS	10	Duration	۱	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Course	S		no courses assigned						
	Methoo	d of asse		written thesis (Zulassungsarbeit, approx. 40 pages) Language of assessment: German, exceptions in accordance with Section 29 LPO I (examination regulations for teaching de- gree programmes)						
	Module comple		essfully	Where applicable, specific modules/module components as specified by supervisor.						