

Annex SFB

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

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2015

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:

LASPO2015

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

o8-Sep-2015 (2015-129)

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 specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y				
	Method of assessment						
	Only after successful completion of		if applicable				
	Other prerequisites		if applicable				
	Participants and allocation of places		if applicable				
	Additional information		if applicable				
	Referred to in LPO I		if applicable (examination regulations for teaching-degree programmes)				

Compulsory Courses (20 ECTS credits)

Successful completion of modules worth 20 ECTS credits in each subject selected as Didaktikfach (subject studied with a focus on teaching methodology) is a prerequisite for admission to the Erste Staatsprüfung (First State Examination) in the subject Didaktiken einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule).

o8-FD1-DF-LAGM-152-m01	Introduction into Teaching Chemistry for Elementary, Secondary and Middle School (Major Subject)							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses	V (2) + S (2)						
	Method of assessment	a) written examination (approx. 90 minutes) and b) presentation (approx. 20 minutes) with practical examination (supervision of pupils) Language of assessment: German and/or English						
	Referred to in LPO I	§ 36 I Nr. 7 § 38 I Nr. 1						
o8-FD2-LAGM-152-m01	Teaching Chemical Practice for Elementary and Secondary School							
	ECTS	5	Duration	2 semester	Method of grading	numerical grade	Modul level	unknown
	Courses	S (2) + S (2)						
	Method of assessment	a) presentation with practical examination (approx. 30 minutes) and b) presentation (approx. 20 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 38 I Nr. 1 § 42 I Nr. 4 and § 36 I Nr. 7						
o8-FD3-DF-LAGM-152-m01	Designing Chemistry Classes for Elementary and Secondary School							
	ECTS	5	Duration	2 semester	Method of grading	numerical grade	Modul level	unknown
	Courses	S (2) + S (2)						
	Method of assessment	a) written examination (approx. 45 minutes) and b) presentation (approx. 20 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 36 I Nr. 7 § 38 I Nr. 1						
o8-FD4-DF-LAMS-152-m01	Social Aspects of Chemistry Teaching in Secondary School							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	S (4)						
	Method of assessment	presentation of a project (approx. 30 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 38 I Nr. 1						

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".

Extra Skills Teaching Chemistry at the German Mittelschule
(Freier Bereich (general as well as subject-specific electives) -- subject specific)

o8-AC1-152-mo1	Principles of Inorganic Chemistry							
	ECTS	8	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (4) + V (2)						
	Method of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
	Additional Information	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. 1 2nd letter a) of annex 1 to the APOLmCh and No. 1 of annex 2 to the APOLmCh						
	Referred to in LPO I	§ 42 I Nr. 1 and § 22 II Nr. 1 h) § 62 I Nr. 1						
o8-OC1- LAGMR-152-mo1	Organic Chemistry 1 (teaching degree for secondary schools)							
	ECTS	6	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (3) + Ü (1)						
	Method of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 42 I Nr. 2 and § 22 II Nr. 1 h)						
	o8-OC2-VL-152- mo1	Organic Chemistry 2						
ECTS		6	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
Courses		V (3) + Ü (1)						
Method of assessment		a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
Additional Information		according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. 1 2nd letter b) of annex 1 to the APOLmCh and No. 2 of annex 2 to the APOLmCh						
Referred to in LPO I		§ 42 I Nr. 2 and § 22 II Nr. 1 h) § 62 I Nr. 2						

o8-PC-LAGMR-152-mo1	Physical Chemistry (teaching degree for secondary schools)							
	ECTS	6	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (2) + Ü (1) + V (1) + Ü (1)						
	Method of assessment	a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 42 I Nr. 1 and § 22 II Nr. 1 h)						
o3-TR-152-mo1	Toxicology and legal studies							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (1) + V (1)						
	Method of assessment	written examination (approx. 90 minutes)						
	Additional Information	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. II 2nd letter g) and i) and No. II 1st letter d) of annex 1 to the APOLmCh and No. 5 and 6 of annex 3 to the APOLmCh						
Referred to in LPO I	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)							
o8-FD-LLL-152-mo1	Chemistry SchoolLabs							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	P (3)						
	Method of assessment	practical assignment (successful supervision of 2 sessions in learn-teach-lab, approx. 4 to 6 hours each) Language of assessment: German and/or English						
	Referred to in LPO I	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)						
o8-FD-CAS-152-mo1	Collecting Data with CASSY System							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	S (2)						
	Method of assessment	presentation of a project (approx. 30 minutes) Language of assessment: German and/or English						
	Referred to in LPO I	§ 22 II Nr. 2 f) § 22 II Nr. 3 f) § 22 II Nr. 1 h)						

o8-FD-MS-152-mo1	Microscale Experiments in Chemistry Teaching							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	S (2)						
	Method of assessment	project: presentation of a project (approx. 30 minutes) Language of assessment: German and/or English						
Referred to in LPO I	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)							
o8-FD-ASL-152-mo1	Out-Of-School Education							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	S (2)						
	Method of assessment	project: presentation of a project (approx. 30 minutes) Language of assessment: German and/or English						
Referred to in LPO I	§ 22 II Nr. 1 h) § 22 II Nr. 2 f) § 22 II Nr. 3 f)							
Paper (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 Mittelschule may write this thesis in the subject Didaktik einer Fächergruppe der Mittelschule (Didactics of a Group of Subjects of Mittelschule), 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-MS-152-mo1	Final Thesis according to § 29 LPO I in Chemistry for Secondary School Teachers							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses	No courses assigned to module						
	Method of assessment	Hausarbeit (thesis) pursuant to Section 29 LPO I (examination regulations for teaching-degree programmes) (30 to 50 pages) Language of assessment: German; exceptions pursuant to Section 29 Subsection 4 LPO I (examination regulations for teaching-degree programmes)						
Referred to in LPO I	§ 29							