

## Annex SFB

### Studienfachbeschreibung (subject description, SFB) for the subject FOKUS Chemistry as a Master's with 1 major with the degree "Master of Science" (120 ECTS credits)

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:

**ASPO2009**

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

**10-Jul-2013 (2013-82)**

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 "Additional Qualifications" (10 ECTS credits)								
o8-FOM-HOT-132-m01	Advanced discussion of hot topics in contemporary chemical research							
	ECTS	5	Duration	2 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	talk (approx. 15 minutes) with discussion (approx. 15 minutes) Language of assessment: German, English						
o8-FOM-TOP-132-m01	Latest topics of current chemical research							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	talk (approx. 15 minutes) with discussion (approx. 15 minutes) Language of assessment: German, English						
Thesis (30 ECTS credits)								
o8-FOKUS-MA-132-m01	Master's Thesis FOKUS Chemie							
	ECTS	30	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	no courses assigned						
	Method of assessment	Master's thesis (approx. 30 to 60 pages) as well as talk with discussion (approx. 30 minutes total), weighted 9:1						
	other prerequisites	Three focuses in the Schwerpunkte (focuses) area of mandatory electives must have been successfully completed in whole (60 ECTS credits).						
Compulsory Electives (80 ECTS credits)								
Compulsory Electives Focuses (60-80 ECTS credits)								
Students must select no less than three focuses.								
Focus Inorganic Chemistry (20 ECTS credits)								
o8-ACFM1-132-m01	Research oriented inorganic chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-ACFM2-132-m01	Research oriented practical course in inorganic chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						

Focus Organic Chemistry (20 ECTS credits)								
o8-OCFM1-132-m01	Research oriented organic chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-OCFM2-132-m01	Research oriented practical course in organic chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
Focus Physical Chemistry (20 ECTS credits)								
o8-PCFM1-132-m01	Research oriented physical chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-PCFM2-132-m01	Research oriented practical course in physical chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
Focus Biochemistry (20 ECTS credits)								
o8-BCFM1-132-m01	Research oriented biochemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						

o8-BCFM2-132-mo1	<b>Research oriented practical course in biochemistry</b>							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
<b>Focus Functional Materials (20 ECTS credits)</b>								
o8-FMFM1-132-mo1	<b>Research oriented course in functional materials</b>							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-FMFM2-132-mo1	<b>Research oriented practical course in functional materials</b>							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
<b>Focus Homogeneous Catalysis (20 ECTS credits)</b>								
o8-HKFM1-132-mo1	<b>Research oriented homogeneous catalysis course</b>							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-HKFM2-132-mo1	<b>Research oriented practical course in homogeneous catalysis</b>							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						

Focus Medicinal Chemistry (20 ECTS credits)								
o8-MCFM1-132-m01	Research oriented pharmaceutical/medicinal chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-MCFM2-132-m01	Research oriented practical course in pharmaceutical/medicinal chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
Focus Supramolecular Chemistry (20 ECTS credits)								
o8-SCFM1-132-m01	Research oriented supramolecular chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-SCFM2-132-m01	Research oriented practical course in supramolecular chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
Focus Theoretical Chemistry (20 ECTS credits)								
o8-TCFM1-132-m01	Research oriented theoretical chemistry							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examination of one candidate each (approx. 45 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						

o8-TCFM2-132-m01	Research oriented practical course in theoretical chemistry							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	Research lab course in two 4-week blocks: a) 2 pieces of practical work with 2 lab reports (approx. 20 pages each) and b) 2 talks with discussion (approx. 15 minutes each). Research lab course in one 8-week block: c) one piece of practical work with lab report (approx. 40 pages) and d) talk with discussion (approx. 30 minutes) Language of assessment: German, English						
	Additional Information	Additional information on module duration: block lab course: two 4-week blocks or one 8-week block.						
Compulsory Electives Additional Qualifications (max. 20 ECTS credits)								
o8-FOMA-132-m01	Advanced FOKUS Foreign Studies							
	ECTS	20	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 30 pages) and talk with discussion (approx. 20 minutes); weighted 3:1 Language of assessment: German, English						
	other prerequisites	A supervisor from the Faculty, who must be an authorised examiner, is to be chosen prior to the placement.						
o8-FOMI-132-m01	Advanced FOKUS Industrial work experience							
	ECTS	20	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 30 pages) and talk with discussion (approx. 20 minutes); weighted 3:1 Language of assessment: German, English						
	other prerequisites	A supervisor from the Faculty, who must be an authorised examiner, is to be chosen prior to the placement.						
o8-FOMF-132-m01	Advanced research lab course							
	ECTS	20	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 30 pages) and talk with discussion (approx. 20 minutes); weighted 3:1 Language of assessment: German, English						