

## **Annex SFB**

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

Responsible: Faculty of Chemistry and Pharmacy

Responsible: Institute of Pharmacy and Food Chemistry

Examination regulations version: 2021

Examination regulations version: 2021

Abbreviations used: Course types:  $\mathbf{E} = \text{field trip}$ ,  $\mathbf{K} = \text{colloquium}$ ,  $\mathbf{O} = \text{conversatorium}$ ,  $\mathbf{P} = \text{placement/lab course}$ ,  $\mathbf{R} = \text{project}$ ,  $\mathbf{S} = \text{seminar}$ ,  $\mathbf{T} = \text{tutorial}$ ,  $\mathbf{U} = \text{exercise}$ ,  $\mathbf{V} = \mathbf{V} = \mathbf$ 

= 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

Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

modules in this SFB: ditable for bonus.

Information on Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the meassessment procedures: 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.

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

## ASP02015

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

19-May-2021 (2021-55)

22-Mar-2022 (2022-8)

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	Module title											
	ECTS	ECTS Durat		(in semesters)	Method of grading		Module level						
	Courses		To be spe	o 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	sessme	ent										
	Only after succompletion o		l if applica	if applicable									
	Other prereq	uisites	if applica	if applicable									
	Participants and allocation of places		cati- if applica	if applicable									
	Additional information		on if applica	if applicable									
	Referred to in LPO I		if applica	if applicable (examination regulations for teaching-degree programmes)									

Compulsory Course	Compulsory Courses (75 ECTS credits)												
o8-LMC-BC-	Nutritio	nal Bio	chemistr	y									
dE1-161-m01	ECTS	7	Duration	า	2 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses	;		V (2) ·	V (2) + V (2)								
	Method	of asse		a) written examination (60 to 120 minutes) or									
				b) oral examination of one candidate each (approx. 20 minutes) or									
					c) oral examination in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English								
	Additional Information			Pursu mittel APOL Section	Pursuant to Section 20 Subsection 2 Sentence 1 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 3. of Annex 3 of APOLmCh and Section 20 Subsection 3 Sentence 1 APOLmCh. Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 2. Letter e of Annex 1 of APOLmCh.								
o8-LMC-BC-	Nutritional Biochemistry - Practical course												
dE2-192-m01	ECTS 7 Duratio		Duration	1	1 semester	Method of grading	(not) successfully complet	ted Modul level	graduate				
	Courses	i		P(4) + P(4)									
	Method of assessment			lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English Assessment offered: usually once a year, winter semester									
	Addition	nal Info	rmation	Pursuant to Section 20 Subsection 2 Sentence 1 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 3. of Annex 3 of APOLmCh and Section 20 Subsection 3 Sentence 1 APOLmCh. Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 1. Letter c of Annex 1 of APOLmCh.									

o8-LMC-LM-	Toxicology of Food											
Tox-192-mo1	ECTS	9	Duration	า	2 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) -	+ V (2) + P (2)	,		,				
	Method	of ass	essment		a) written examination (60 to 120 minutes) or							
				b) oral examination of one candidate each (approx. 20 minutes) or								
				c) ora and	c) oral examination in groups (groups of 2, approx. 30 minutes total)							
				lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English Assessment offered: usually once a year, winter semester								
	Additio	nal Info	ormation	Pursuant to Section 20 Subsection 2 Sentence 1 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 5. of Annex 3 of APOLmCh and Section 20 Subsection 3 Sentence 1 APOLmCh. Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 1. Letter d and 2. Letter g of Annex 1 of APOLmCh.								
o8-LMC-LM-	Food Law, Tobacco Law, Animal Feed Law and Tangented Law											
Recht-161-mo1	ECTS	5	Duration	1	2 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (1.3	) + V (1.3)							
	Method of assessment			a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English								
	Additio	nal Info										

o8-LMC-	Specia	pecial Food and Animal Feed											
SpezLM-212-mo1	ECTS	6	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours	es		V (1) -	+ V (1) + P (1) + Ü (1)	,		,					
	Metho	od of ass	essment		a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or								
					c) oral examination in groups (groups of 2, approx. 30 minutes total)								
					Language of assessment: German or English								
			ormation	mitte APOL Pursu mitte APOL	Ichemikerinnen und mCh) in conjunction ant to Section 2 Sub Ichemikerinnen und mCh) in conjunction	Lebensmittelchemik with No. I 1. of Anne esection 2 Sentence Lebensmittelchemik with No. II 1. Letter a	ter (Regulation on the text 3 of APOLmCh and So 2 Verordnung über die der (Regulation on the text and No. II 2. Letter and	training and examination ection 20 Subsection 3 S Ausbildung und Prüfung training and examination and cof ApoLi	der Staatlich geprüften Lebens- of state-certified food chemists,				
o8-LMC-LM-			valuation	of Foo	d-stuffs, Cosmetics		cco Products, and Ani	mal Feed					
CPM-212-m01	ECTS	6	Duration		2 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours				+ S (1) + S (1)			,					
	Method of assessment			a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or									
				c) oral examination of one candidate each (approx. 20 minutes) or construction in groups (groups of 2, approx. 30 minutes total)									
					lage of assessment:		, , , , , , , , , , , , , , , , , , , ,						
	Additi	onal Info	ormation	mitte APOL Pursu mitte	lchemikerinnen und mCh) in conjunction ant to Section 2 Sub Ichemikerinnen und	Lebensmittelchemik with No. I 1. of Anne osection 2 Sentence Lebensmittelchemik	er (Regulation on the t x 3 of APOLmCh and So 2 Verordnung über die er (Regulation on the t	raining and examination ection 20 Subsection 3 S Ausbildung und Prüfung	der Staatlich geprüften Lebens- of state-certified food chemists,				
08-LMC-KBT-161-	Cosm	etics, Co	mmoditie	s and	Tobacco Products								
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Cours			V (1) -									
	Method of assessment			a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English									
	Additional Information			mitte APOL Section	lchemikerinnen und mCh) in conjunction on 2 Subsection 2 Se nen und Lebensmitte	Lebensmittelchemik with No. I 1. of Anne entence 2 Verordnun	er (Regulation on the t x 3 of APOLmCh and So g über die Ausbildung on on the training and	raining and examination ection 20 Subsection 3 S und Prüfung der Staatlic	g der Staatlich geprüften Lebens- of state-certified food chemists, entence 1 APOLmCh. Pursuant to h geprüften Lebensmittelchemi- tified food chemists, APOLmCh)				

08-LMC-UA-161-	Enviro	nmenta	l Analysis						1	
mo1	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul lev	el gra	aduate
	Course	:S		V (1) -	+ V (1) + Ü (1)				,	
	Method	d of ass	essment	a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English						
			ormation	mitte APOL Section kering in con	lchemikerinnen und mCh) in conjunction on 2 Subsection 2 Sonen und Lebensmitt njunction with No. II	Lebensmittelchemik with No. I 5. of Anne entence 2 Verordnun elchemiker (Regulati 2. Letter g of Annex 2	ter (Regulation on the train x 3 of APOLmCh and Sect g über die Ausbildung un on on the training and ex tof APOLmCh.	ining and examin tion 20 Subsectio nd Prüfung der Sta kamination of stat	ation of s n 3 Sent aatlich ge e-certifie	er Staatlich geprüften Lebens- state-certified food chemists, ence 1 APOLmCh. Pursuant to eprüften Lebensmittelchemi- ed food chemists, APOLmCh)
08-LMC-LMT-161-		ology of	Foodstuf	s inclu	uding water for hum	an use, Cosmetics, C	ommodities, Tobacco Pr	oducts, and Anim	al Feed	
mo1	ECTS 5 Duration			1	1 semester	Method of grading	numerical grade	Modul lev	/el gra	aduate
	Course	!S		V (2)	+ E (1)					
	Method	d of ass	essment	b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English						
	Additio	onal Info	ormation	mitte APOL Section	lchemikerinnen und mCh) in conjunction on 2 Subsection 2 So nen und Lebensmitt	Lebensmittelchemik with No. I 2. of Anne entence 2 Verordnun elchemiker (Regulati	er (Regulation on the trains and Sector of APOLmCh and Sector of Sector of Example 1 and Sector of Example 1 and 1	ining and examin tion 20 Subsection nd Prüfung der Sta kamination of stat	ation of son the second	er Staatlich geprüften Lebens- state-certified food chemists, tence 1 APOLmCh. Pursuant to eprüften Lebensmittelchemi- ed food chemists, APOLmCh)
08-LMC-MEV-212-	Develo	pment	and Valida	ation o	f Methods in Food A	nalysis			'	
mo1	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully comp	oleted   Modul lev	/el gra	aduate
	Course	!S		V (1) -	+ Ü (2)	•		<u>'</u>	•	
	Metho	d of ass	essment							
	Additio	onal Info	ormation	mitte APOL Pursu mitte	lchemikerinnen und mCh) in conjunction Iant to Section 2 Sub Ichemikerinnen und	Lebensmittelchemik with No. I 1. of Anne section 2 Sentence Lebensmittelchemik	er (Regulation on the trains x 3 of APOLmCh and Sector Verordnung über die Au	ining and examin tion 20 Subsectio usbildung und Prü ining and examin	ation of s n 3 Sent offung der ation of s	r Staatlich geprüften Lebens- state-certified food chemists,

o8-LMC-LM-	Current Res	search in Foo	d Cher	mistry								
CF-161-m01	ECTS 15	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate							
	Courses		S (1) -	+ Ü (1) + P (17)								
	Method of a	assessment	sessn	nent and docume	nt components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), as- entation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) ent: German or English							
Compulsory Elect	ives (15 ECTS	credits)										
Subfield Laborato	ory Cource in S	Specific Topi	c (5 EC	TS credits)								
08-LMC-WPV1-192	2- Advanced L	aboratory C	ourses	in the Toxicology	gy of Food							
mo1	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed   Modul level   graduate							
	Courses		P (8)									
	Method of a	assessment	sessn Langu	lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English Assessment offered: usually once a year, winter semester								
	Additional	Information	mitte APOL Section	Pursuant to Section 20 Subsection 2 Sentence 1 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 5. of Annex 3 of APOLmCh and Section 20 Subsection 3 Sentence 1 APOLmCh. Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 1. Letter d and No. II 2. Letter g of Annex 1 of APOLmCh.								
o8-LMC-	Laboratory	Laboratory Course in Environmental Analysis										
WPV2-192-m01	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate							
	Courses		P (8)									
	Method of a	assessment	lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical assignments (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English Assessment offered: usually once a year, winter semester									
	Additional	Information	mitte APOL Section	Pursuant to Section 20 Subsection 2 Sentence 1 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. I 5. of Annex 3 of APOLmCh and Section 20 Subsection 3 Sentence 1 APOLmCh. Pursuant to Section 2 Subsection 2 Sentence 2 Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker (Regulation on the training and examination of state-certified food chemists, APOLmCh) in conjunction with No. II 1. Letter d and No. II 2. Letter g of Annex 1 of APOLmCh.								

Subfield Additional	Qualific	ation (1	ıo ECTS c	redits)								
o8-LMC-WPZ1-161-	Industr	ial Inter	rnship 1 (	Short)								
mo1		5	Duration		1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Courses	5		P (o)			·					
	Method	l of asse	essment		written report (approx. 5 pages) or talk (15 minutes) Language of assessment: German or English							
08-LMC-WPZ2-161-	Industr	ial Inter	rnship 2 (	Long)	ng)							
mo1	ECTS 10 Duratio			1	Method of grading (not) successfully completed Modul level graduate							
	Courses	5		P (o)	•		·					
	Method of assessment				written report (approx. 5 pages) or talk (15 minutes) Language of assessment: German or English							
08-LMC-WPZ3-161-	Safety	Evaluati	on of Foo	d	'				,			
mo1	ECTS 5 Duratio			<u> </u>	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Courses	5		Ü (o)	Į.		·			-		
	Method	l of asse	essment		vritten report (approx. 5 pages) .anguage of assessment: German or English							
08-LMC-WPZ5-161-	Courses related to Food Chemistry outside of the Natural Sciences											
mo1	ECTS 5 Duratio			1	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate		
	Courses			V (o)		•			•			
	Method of assessment			[Assessment: a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups of 2 candidates (approx. 30 minutes total)] or successful completion as certified by lecturer Language of assessment: German or English								
	other prerequisites			Please consult with course advisory service in advance.								
o8-LMC-WPZ6-161-	Courses related to Food Chemistry within the Natural Sciences											
mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully co	mpleted	Modul level	undergraduate		
	Courses	5	Į.	V (o)								
	Method	l of asse	essment	[Assessment: a) written examination (60 to 120 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups of 2 candidates (approx. 30 minutes total)] or successful completion as certified by lecturer Language of assessment: German or English								
	other p	rerequis	sites	Pleas	Please consult with course advisory service in advance.							
08-WRM1-161-m01	Tutorin	g 1 (pra	ctical cou	rse)								
	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully co	mpleted	Modul level	graduate		
	Courses			T (3)		•		-	•			
	Method	l of asse	essment		Tutoring activities, (preparation of status and/or wrap-up reports, approx. 100 hours total) Language of assessment: German and/or English							
	other p	rerequis	sites			activities performed the tutorial held in r		stant cont	ract for this mo	odule. The tutorial must accompa-		

08-WRM2-161-m01	Tutorin	g 2 (pra	ctical cou	ırse)				"				
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S	•	T (3)				•				
	Method	l of asse	essment				or wrap-up reports, approx. 10	oo hours total)				
	other p	rerequis	sites		Language of assessment: German and/or English  It is not permitted to use activities performed under a research assistant contract for this module. The tutorial must accompa-							
	other p	rerequi			ny a different course than the tutorial held in module 08-WRM1.							
08-APM1-161-m01	Foreign	Foreign Studies (short)										
	ECTS 5 Duration			1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (o) Modu	P (o) Module taught in: German and/or English and potentially language of the respective country							
	Method	l of asse	essment	b) tall	a) report (10 to 20 pages) or b) talk (10 to 20 minutes) Language of assessment: German and/or English and potentially language of the respective country							
	other p	rerequi	sites	May r	ot be combined with	h o8-APM2.						
	Additio	nal Info	rmation	Additional information on module duration: block placement abroad with a duration of no less than 20 working days.								
08-APM2-161-m01	Foreign Studies (long)											
	ECTS	10	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		P (o) Modu	P (o) Module taught in: German and/or English and potentially language of the respective country							
	Method of assessment			a) report (15 to 30 pages) or b) talk (15 to 30 minutes) Language of assessment: German and/or English and potentially language of the respective country								
	other p	rerequis	sites	May n	ot be combined witl	h o8-APM1.						
	Additio	nal Info	rmation	Additional information on module duration: block placement abroad with a duration of no less than 40 working days.								
Thesis (30 ECTS cre	edits)											
o8-LMC-MA-161-	Master	Thesis	Food Che	mistry								
mo1	ECTS	25	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	S		No co	urses assigned to m	odule						
	Method of assessment				written thesis (approx. 40 pages) Language of assessment: German or English							
	Additio	nal Info	rmation	Time	to complete: 6 mont	hs.						

o8-LMC-KOLL-161-	-LMC-KOLL-161- Master Thesis Defense												
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S											
	Method	d of asse	essment		colloquium (approx. age of assessment:		oprox. 15 minutes) with subseq	uent discussion	(approx. 15 minutes)				
	Module comple		ssfully	o8-LN	IC-MA								