

## 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: 2019  
Examination regulations version: 2019

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:

**ASPO2015**

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

**27-Mar-2019 (2019-22)**

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	<b>Module title</b>						
	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 (75 ECTS credits)							
o8-LMC-BC-dE1-161-m01	<b>Nutritional Biochemistry</b>						
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	V (2) + V (2)					
	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	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-dE2-192-m01	<b>Nutritional Biochemistry - Practical course</b>						
	ECTS	7	Duration	1 semester	Method of grading	(not) successfully completed	Modul level   graduate
	Courses	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					
Additional Information	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-Tox-192-m01	<b>Toxicology of Food</b>							
	ECTS	9	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) + V (2) + P (2)						
	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) and 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	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-Recht-161-m01	<b>Food Law, Tobacco Law, Animal Feed Law and Tangeded Law</b>							
	ECTS	5	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	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						
Additional Information	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 6. 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. Letters h, i and j of Annex 1 of APOLmCh.							

o8-LMC-SpezLM-161-mo1	<b>Special Food and Animal Feed</b>							
	ECTS	6	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (1) + V (1) + 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 in groups (groups of 2, approx. 30 minutes total) Language of assessment: German or English						
Additional Information	Pursuant to Section 18 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 1. of Annex 3 of APOLmCh and Section 18 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 a and No. II 2. Letter a of Annex 1 of 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. Letters c and d of Annex 1 of APOLmCh.							
o8-LMC-LM-CPM-161-mo1	<b>Analysis and Evaluation of Food-stuffs, Cosmetics, Commodities, Tobacco Products, and Animal Feed</b>							
	ECTS	6	Duration	2 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (8) + P (1) + Ü (1)						
	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						
Additional Information	Pursuant to Section 18 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 1. of Annex 3 of APOLmCh and Section 18 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 a and No. II 2. Letters a and c of Annex 1 of APOLmCh.							
o8-LMC-KBT-161-mo1	<b>Cosmetics, Commodities and Tobacco Products</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (1) + 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	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 1. 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 a of Annex 1 of APOLmCh.							

o8-LMC-UA-161-mo1	<b>Environmental Analysis</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (1) + V (1) + Ü (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	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 2. Letter g of Annex 1 of APOLmCh.							
o8-LMC-LMT-161-mo1	<b>Technology of Foodstuffs including water for human use, Cosmetics, Commodities, Tobacco Products, and Animal Feed</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) + E (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	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 2. 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 e and No. II 2. Letters b and d of Annex 1 of APOLmCh.							
o8-LMC-MEV-192-mo1	<b>Development and Validation of Methods in Food Analysis</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	V (1) + Ü (2)						
	Method of assessment	a) written exercise (approx. 10 pages) or b) talk (20 minutes) Language of assessment: German or English						
Additional Information	Pursuant to Section 18 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 1. of Annex 3 of APOLmCh and Section 18 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 a and No. II 2. Letters a and c of Annex 1 of APOLmCh.							

o8-LMC-LM- CF-161-mo1	<b>Current Research in Food Chemistry</b>							
	ECTS	15	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	S (1) + Ü (1) + P (17)						
	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						
<b>Compulsory Electives (15 ECTS credits)</b>								
<b>Subfield Laboratory Course in Specific Topic (5 ECTS credits)</b>								
o8-LMC-WPV1-192- mo1	<b>Advanced Laboratory Courses in the Toxicology of Food</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (8)						
	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						
	Additional Information	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- WPV2-192-mo1	<b>Laboratory Course in Environmental Analysis</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (8)						
	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						
	Additional Information	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 Qualification (10 ECTS credits)								
o8-LMC-WPZ1-161-m01	<b>Industrial Internship 1 (Short)</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (o)						
	Method of assessment	written report (approx. 5 pages) or talk (15 minutes) Language of assessment: German or English						
o8-LMC-WPZ2-161-m01	<b>Industrial Internship 2 (Long)</b>							
	ECTS	10	Duration		Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (o)						
	Method of assessment	written report (approx. 5 pages) or talk (15 minutes) Language of assessment: German or English						
o8-LMC-WPZ3-161-m01	<b>Safety Evaluation of Food</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (o)						
	Method of assessment	written report (approx. 5 pages) Language of assessment: German or English						
o8-LMC-WPZ4-161-m01	<b>Applied Food Law</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (o)						
	Method of assessment	written report (approx. 5 pages) Language of assessment: German or English						
o8-LMC-WPZ5-161-m01	<b>Courses related to Food Chemistry outside of the Natural Sciences</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	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-m01	<b>Courses related to Food Chemistry within the Natural Sciences</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	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-WRM1-161-mo1	<b>Tutoring 1 (practical course)</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	T (3)						
	Method of assessment	Tutoring activities, (preparation of status and/or wrap-up reports, approx. 100 hours total) Language of assessment: German and/or English						
	other prerequisites	It is not permitted to use activities performed under a research assistant contract for this module. The tutorial must accompany a different course than the tutorial held in module o8-WRM1.						
o8-WRM2-161-mo1	<b>Tutoring 2 (practical course)</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	T (3)						
	Method of assessment	Tutoring activities, (preparation of status and/or wrap-up reports, approx. 100 hours total) Language of assessment: German and/or English						
	other prerequisites	It is not permitted to use activities performed under a research assistant contract for this module. The tutorial must accompany a different course than the tutorial held in module o8-WRM1.						
o8-APM1-161-mo1	<b>Foreign Studies (short)</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (0) Module taught in: German and/or English and potentially language of the respective country						
	Method of assessment	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 prerequisites	May not be combined with o8-APM2.						
	Additional Information	Additional information on module duration: block placement abroad with a duration of no less than 20 working days.						
o8-APM2-161-mo1	<b>Foreign Studies (long)</b>							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	P (0) 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 prerequisites	May not be combined with o8-APM1.						
	Additional Information	Additional information on module duration: block placement abroad with a duration of no less than 40 working days.						

Thesis (30 ECTS credits)							
o8-LMC-MA-161-m01	<b>Master Thesis Food Chemistry</b>						
	ECTS	25	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	No courses assigned to module					
	Method of assessment	written thesis (approx. 40 pages) Language of assessment: German or English					
	Additional Information	Time to complete: 6 months.					
o8-LMC-KOLL-161-m01	<b>Master Thesis Defense</b>						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level   graduate
	Courses	K (o)					
	Method of assessment	final colloquium (approx. 30 minutes): Talk (approx. 15 minutes) with subsequent discussion (approx. 15 minutes) Language of assessment: German or English					
	Modules successfully completed	o8-LMC-MA					