

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

Examination regulations version: 2012

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)):

28-Aug-2012 (2012-153)

25-Oct-2017 (2017-64)

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 (75 ECTS credits)							
o8-LMC-BC- dE1-122-m01	Nutritional Biochemistry						
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level graduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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 prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 2. Letter e of Annex 1 of APOLmCh.					
o8-LMC-BC- dE2-122-m01	Laboratory Courses in Nutritional Biochemistry						
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level graduate
	Courses	P + P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	workshop: theoretical and practical assignments to be completed in groups of up to 3 candidates, including Vortestate and Nachtestate (pre and post-experiment exams) and lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes each), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English					
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter c of Annex 1 of APOLmCh.					
o8-LMC-LM- Tox-122-m01	Toxicology of Food						
	ECTS	9	Duration	2 semester	Method of grading	numerical grade	Modul level graduate
	Courses	V + V + P (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	assessment: a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) and lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) assessment: a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) and lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English					
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter d and 2. Letter g of Annex 1 of APOLmCh.					

o8-LMC-LM-Recht-122-m01	Food Law, Tobacco Law, Feed Law and Tangented Law							
	ECTS	5	Duration	2 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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 prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 2. Letters h, i and j of Annex 1 of APOLmCh.							
o8-LMC-SpezLM-122-m01	Special Food and Animal Feed							
	ECTS	8	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> o8-LMC-SpezLM-1-122: V + V + P (no information on SWS (weekly contact hours) and course language available) o8-LMC-SpezLM-2-122: S (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-LMC-SpezLM-1-122: Special Food and Animal Feed Special Food and Animal Feed Spe- cial Food and Animal Feed <ul style="list-style-type: none"> 6 ECTS, Method of grading: numerical grade assessment: a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) and lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English Other prerequisites: In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter a and No. II 2. Letter e of Annex 1 of APOLmCh. Assessment in module component o8-LMC-SpezLM-2-122: Seminar of Animal Feed <ul style="list-style-type: none"> 2 ECTS, Method of grading: numerical grade written report (approx. 20 pages) and talk (approx. 20 minutes) Other prerequisites: In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 2. Letters c and d of Annex 1 of APOLmCh. 						
other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.							

o8-LMC-LM-CP-122-m01	Analysis and Evaluation of Foodstuffs, Cosmetics, Commodities, Tobacco Products, and Animal Feed: practical course							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	Ü + P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	workshop: theoretical and practical assignments to be completed in groups of up to 3 candidates, including Vortestate (pre-experiment exams) and Nachtestate (post-experiment exams) and/or lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English						
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter a and No. II 2. Letters a and c of Annex 1 of APOLmCh.						
Additional Information	Additional information on module duration: 1 to 2 semesters.							
o8-LMC-KBT-122-m01	Cosmetics, Commodities and Tobacco Products							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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 prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 2. Letter a of Annex 1 of APOLmCh.						
o8-LMC-UA-122-m01	Environmental Analysis							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) and written report (approx. 3 to 6 pages) Language of assessment: German or English						
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 2. Letter g of Annex 1 of APOLmCh.						

o8-LMC-LMT-122-mo1	Technology of Foodstuffs including water for human use, Cosmetics, Commodities, Tobacco Products, and Animal Feed							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + E (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) and written report (approx. 2 to 5 pages) Language of assessment: German or English						
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter e and No. II 2. Letters b and d of Annex 1 of APOLmCh.						
o8-LMC-MEV-122-mo1	Development and Validation of Methods in Food Analysis							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V + P + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English						
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter a and No. II 2. Letters a and c of Annex 1 of APOLmCh.						
o8-LMC-LM-CF-122-mo1	Current Research in Food Chemistry							
	ECTS	15	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S + S + Ü + P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	assessment and documentation of practical performance (approx. 30 pages), written report (approx. 5 to 10 pages) and talk (approx. 20 minutes) Language of assessment: German or English						
Compulsory Electives (15 ECTS credits)								
Specialist Lab Course (5 ECTS credits)								
o8-LMC-WPV1-122-mo1	Advanced Laboratory Courses in the Toxicology of Food							
	ECTS	5	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	lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English						
	other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter d and No. II 2. Letter g of Annex 1 of APOLmCh.						

o8-LMC-WPV2-122-m01	Advanced Laboratory Course in Environmental Analysis							
	ECTS	5	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	lab course assessment components: Vortestate and Nachtestate (pre and post-experiment exams, approx. 15 minutes), assessment and documentation of practical performance (approx. 10 pages) and written report (approx. 5 to 10 pages) Language of assessment: German or English						
other prerequisites	In accordance with Section 2 Subsection 2 Sentence 2 APOLmCh (Verordnung über die Ausbildung und Prüfung der Staatlich geprüften Lebensmittelchemikerinnen und Lebensmittelchemiker, Regulation on the training and examination of state-certified food chemists) in connection with No. II 1. Letter d and No. II 2. Letter g of Annex 1 of APOLmCh.							
Additional Qualifications (10 ECTS credits)								
o8-LMC-WPZ1-122-m01	Industrial Internship 1 (Short)							
	ECTS	5	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	written report (approx. 5 to 10 pages) Language of assessment: German or English						
o8-LMC-WPZ2-122-m01	Industrial Internship 2 (Long)							
	ECTS	10	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	written report (approx. 5 to 10 pages) Language of assessment: German or English						
	Additional Information	Additional information on module duration: 1 to 2 semesters.						
o8-LMC-WPZ3-122-m01	Safety Evaluation of Food							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written report (approx. 5 to 10 pages) Language of assessment: German or English						
o8-LMC-WPZ4-122-m01	Applied Food Law							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written report (approx. 5 to 10 pages) Language of assessment: German or English						

o8-LMC-WPZ5-122-mo1	Courses related to Food Chemistry outside of the Natural Sciences							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	assessment: a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) or successful completion as certified by the lecturer Language of assessment: German or English						
	other prerequisites	Please consult with course advisory service.						
o8-LMC-WPZ6-122-mo1	Courses related to Food Chemistry within the Natural Sciences							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	assessment: a) 1 to 3 written examinations (1 written examination: approx. 90 minutes or approx. 120 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) or successful completion as certified by the lecturer Language of assessment: German or English						
	other prerequisites	Please consult with course advisory service.						
o8-APM1-102-mo1	Foreign Studies (short)							
	ECTS	5	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	report (2 pages); proof of having completed lab course Language of assessment: German or English; language of the respective placement country where required						
	other prerequisites	Admission prerequisite to assessment: regular attendance of placement.						
o8-APM2-102-mo1	Foreign Studies (long)							
	ECTS	10	Duration	2 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	report (2 pages); proof of having completed lab course Language of assessment: German or English; language of the respective placement country where required						
	other prerequisites	Admission prerequisite to assessment: regular attendance of placement.						
o8-WRM1-102-mo1	Tutoring 1 (practical course)							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	preparation of materials for demonstrations and exercises Language of assessment: German or English						

o8-WRM2-102-m01	Tutoring 2 (practical course)							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	preparation of materials for demonstrations and exercises Language of assessment: German or English						
Thesis (30 ECTS credits)								
o8-LMC-MA-122-m01	Master Thesis							
	ECTS	30	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	C (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written thesis (approx. 40 pages) and presentation (poster or talk, approx. 20 minutes), weighted 4:1 Language of assessment: German or English						
Modules successfully completed	o8-LMC-LMCF and, where applicable, specific modules/module components as specified by supervisor (cf. Section 15 Subsection 2 FSB (subject-specific provisions)).							