

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Food Chemistry as a Bachelor's with 1 major with the Degree (180 ECTS credits)

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2009

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)):

22-Jul-2010 (2010-49)

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 (150 ECTS credits)							
10-M-MCB-101-mo1	Mathematics for students in Chemistry and Biology						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (approx. 90 to 120 minutes)					
	other prerequisites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective details at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew and have to register anew, too.					
07-LMC-BIO1-092-mo1	General Biology of Economic Plants from Food and Forage						
	ECTS	7	Duration	1 semester	Method of grading	numerical grade	Modul level undergraduate
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> • 07-LMC-BIO1-1-092: V + V (no information on SWS (weekly contact hours) and course language available) • 07-LMC-BIO1-2-092: V + Ü (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. <p>Assessment in module component 07-LMC-BIO1-1-092: From the Plant Cell to the Plant Organism</p> <ul style="list-style-type: none"> • 2 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes) <p>Assessment in module component 07-LMC-BIO1-2-092: General Biology and Microscopy of Economic Plants, and Microscopic Analysis of Food and Forage</p> <ul style="list-style-type: none"> • 5 ECTS, Method of grading: numerical grade • practical examination (approx. 2 to 3 hours, ungraded) and written examination (approx. 60 minutes) 					
	Additional Information	Additional information will be listed separately for each module component. <ul style="list-style-type: none"> • 07-LMC-BIO1-2-092: -- • 07-LMC-BIO1-1-092: Will include 3 teaching units on photosynthesis. 					
08-LMC-AC1-092-mo1	General and Inorganic Chemistry for Food Chemistry Students						
	ECTS	14	Duration	1 semester	Method of grading	numerical grade	Modul level undergraduate
	Courses	V + P + S (no information on SWS (weekly contact hours) and course language available)					
	Method of assessment	written examination (approx. 120 minutes)					

11-EFNF-072-m01	Introduction to Physics for Students of Non-physics-related Minor Subjects							
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 120 minutes)						
	Participants and allocation of places	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.						
11-PFNF-072-m01	Practical Course Physics for Students of Non-physics-related Minor Subjects							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	a) oral test (approx. 15 minutes) during experiment and b) ungraded written examination (approx. 90 minutes)						
	Participants and allocation of places	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.						
o8-PC-Bio-072-m01	Physical Chemistry for Biology Majors							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	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-PC-Bio-1-062: V + Ü (no information on SWS (weekly contact hours) and course language available) o8-PC-Bio-2-072: P (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. <p>Assessment in module component o8-PC-Bio-1-062: Thermodynamics, Kinetics, Electrochemistry (lecture) Thermodynamics, Kinetics, Electrochemistry (lecture)</p> <ul style="list-style-type: none"> 4 ECTS, Method of grading: numerical grade written examination (60 minutes) <p>Assessment in module component o8-PC-Bio-2-072: Physical Chemistry (lecture and lab)</p> <ul style="list-style-type: none"> 1 ECTS, Method of grading: (not) successfully completed Vortestate (pre-experiment exams, approx. 15 minutes each), assessment of practical performance (log approx. 5 to 10 pages), Nachtestate (post-experiment exams, approx. 15 minutes each) Assessment offered: once a year, winter semester 						
o8-LMC-AC2-092-m01	Quantitative Inorganic Chemistry for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (120 minutes)						
o8-LMC-AC3-092-m01	Quantitative Inorganic Analysis for Food Chemistry Students							
	ECTS	14	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P + S + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examinations of one candidate each during lab course (approx. 15 minutes), talk (approx. 20 minutes), proof of correctness and reproducibility of analyses including documentation in lab notebook in the form of logs of analyses (approx. 8 pages per analysis, approx. 80 pages total)						

03-TR-072-m01	Toxicology and legal studies							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 90 minutes)						
o8-LMC-BC-092-m01	Biochemistry for Food Chemistry Students							
	ECTS	6	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 120 minutes) or oral examination (approx. 30 minutes)						
Additional Information	Will include a total of 15 teaching units on the generation of energy, biological oxidation, enzymes and biocatalysis.							
o8-LMC-IA-092-m01	Introduction to Instrumental Analysis for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (no information on SWS (weekly contact hours) and course language available)						
Method of assessment	written examination (approx. 120 minutes)							
o8-LMC-LMA-092-m01	Instrumental Analysis for Food Chemistry Students							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P + V + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examinations of one candidate each during lab course (approx. 15 minutes), completion of written theoretical assignments (2 assignments, 180 minutes each), completion of practical assignments as specified by the lecturer including documentation in lab notebook in the form of logs of analyses (approx. 12 pages per assignment, approx. 72 pages total)						
o8-LMC-LMCo-092-m01	Introduction to Food Chemistry							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + S (no information on SWS (weekly contact hours) and course language available)						
Method of assessment	written examination (approx. 120 minutes)							
o8-LMC-LMC1-092-m01	Food chemistry 1							
	ECTS	17	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + S + P + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	talk (approx. 45 minutes), oral examinations of one candidate each during lab course (approx. 15 minutes), proof of correctness and reproducibility of analyses including documentation in lab notebook in the form of logs of analyses (approx. 6 pages per analysis, approx. 60 pages total), summary product analysis (approx. 15 to 20 pages)						
o8-LMC-LMC2-092-m01	Food chemistry 2							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	S + V + P + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	talk (approx. 45 minutes), oral examinations of one candidate each during lab course (approx. 15 minutes), proof of correctness and reproducibility of analyses including documentation in lab notebook in the form of logs of analyses (approx. 6 pages per analysis, approx. 60 pages total), summary product analysis (approx. 15 to 20 pages)						

o8-LMC-OC0-092-m01	Organic Chemistry o (Nomenclature and Stereochemistry) for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	S + Ü + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 60 minutes)						
	Modules successfully completed	o8-LMC-AC2 and o8-LMC-AC3						
o8-LMC-OC1-092-m01	Organic Chemistry for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 120 minutes)						
	Modules successfully completed	o8-LMC-AC2 and o8-LMC-AC3						
o8-LMC-OC2-092-m01	Practical Course in Organic Chemistry for Food Chemistry Students							
	ECTS	10	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	oral examinations (approx. 15 minutes each) and logs (approx. 65 pages)						
	Modules successfully completed	o8-LMC-AC2 and o8-LMC-AC3						
o7-LMC-BIO2-092-m01	Microbiology for Food Chemistry students							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	log (approx. 30 pages)						
o3-LMC-HYG-092-m01	Microbiology of Food and Hygiene for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written examination (approx. 60 minutes)						
Thesis (10 ECTS credits)								
o8-LMC/BA-092-m01	Bachelor Thesis							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	(no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	written thesis (approx. 20 to 30 pages)						
Subject-specific Key Skills (15 ECTS credits)								
o8-LMC-FSQ1-092-m01	Analysis Strategies							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	R + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	project report (approx. 15 pages)						

o8-LMC-FSQ2-092-m01	Quality management							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	term paper (approx. 10 pages) with presentation (approx. 15 minutes)						
	Modules successfully completed	o8-LMC-IA						
o8-LMC-MBA-092-m01	Introduction to Molecular Biological Analysis for Food Chemistry Students							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	S + P (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment	completion of written theoretical assignments (4 to 5 assignments, 30 minutes each), completion of practical assignments as specified by the lecturer including documentation in lab notebook in the form of logs of analyses (approx. 20 pages total)						
	Modules successfully completed	o8-LMC-IA, o8-LMC-LMA, o8-LMC-LMo, lab course of module o8-LMC-LMC2						