



Annex SFB

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

Responsible: Faculty	of Chemistry and Pharmacy	Examination regulations version: 2009
Abbreviations used:	Course types: \mathbf{E} = field trip, \mathbf{K} = colloquium, \mathbf{O} = conversatorium, \mathbf{P} = placement/lab course, \mathbf{R} = lecture	R = project, S = seminar, T = tutorial, Ü = exercise, V
	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 p = list of modules	programmes), FSB = subject-specific provisions, SFB
	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 ditable for bonus.	be offered every semester and modules are not cre-
Information on assessment procedures:	Should there be the option to choose between several methods of assessment, the lecturer w thod of assessment to be used in the current semester by two weeks after the start of the cou customary manner.	ill agree with the module coordinator on the me- rse at the latest and will communicate this in the
	Should a module comprise more than one graded assessment, all assessments will be equal	y weighted, unless otherwise stated below.
	Should the assessment comprise several individual assessments, successful completion of the individual assessments.	he module will require successful completion of all

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

ASP02009

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 Durat			ion	(in semesters)	Method of grading		Module level			
	Courses			To be spe	ecified in the form X	(y) with course type 2	X abbreviated as specified abo	ove and number of we	ekly contact hours y		
	Method of as	ssessn	nent								
	Only after successful completion of				ble						
Other prerequisites				if applicable							
	Participants and allocation of places				if applicable						
	Additional in	nformat	tion	if applica	ble						
	Referred to in	n LPO I		if applicable (examination regulations for teaching-degree programmes)							

Compulsory Course	ulsory Courses (150 ECTS credits)									
10-M-MCB-101-	Mathematics for students in Chemistry and Biology									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (I	no information or	SWS (weekly contact	hours) and course langu	uage available)			
	Method of a	ssessment	written	examination (ap	prox. 90 to 120 minute	es)				
	other prereq	uisites	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in ac- cordance 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 de- tails 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 lec- turer 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-BI01-092-	General Bio	logy of Econ	iomic Pl	ants from Food a	nd Forage					
m01	ECTS 7	Duratio	n	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. 07-LMC-BI01-1-092: V + V (no information on SWS (weekly contact hours) and course language available) 07-LMC-BI01-2-092: V + Ü (no information on SWS (weekly contact hours) and course language available) 							
	Method of a	ssessment	Assess stated Assess Plant C Assess Analys ge Additic	sment in this mod otherwise, succe of the succe organism 2 ECTS, Method of written examination is of Food and Fo 5 ECTS, Method of practical examina- onal information v 07-LMC-BIO1-2-00 07-LMC-BIO1-1-00	ule comprises the ass ssful completion of the component o7-LMC-BI of grading: numerical g ion (approx. 60 minute component o7-LMC-BI rage General Biology a of grading: numerical g ation (approx. 2 to 3 ho will be listed separatel 92: 92: Will include 3 teach	essments in the individu e module will require suc O1-1-092: From the Plan rade es) O1-2-092: General Biolo nd Microscopy of Econo rade burs, ungraded) and writ y for each module comp	ual module component ccessful completion of t Cell to the Plant Orga gy and Microscopy of E mic Plants, and Micros ten examination (appro onent.	is as specified below. Unless fall individual assessments. nism From the Plant Cell to the Economic Plants, and Microscopic Scopic Analysis of Food and Fora- ox. 60 minutes)		
08-LMC-AC1-092-	General and	Inorganic C	Chemist	ry for Food Chemi	stry Students					
m01	ECTS 14	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + P +	S (no information	n on SWS (weekly cont	act hours) and course la	anguage available)			
	Method of a	ssessment	written	examination (ap	prox. 120 minutes)					

Bachelor's with 1 major Food Chemistry (2009)	JMU Würzburg • generated 11-Jan-2023 • exam. reg. data record 82 096 - - H 2009	page 3 / 7

11-EFNF-072-m01	01 Introduction to Physics for Students of Non-physics-related Minor Subjects								
	ECTS 7	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + V	✓ + V (no information on SWS (weekly contact hours) and course language available)					
	Method of asse	essment	writte	n examination (app	rox. 120 minutes)				
	Participants an cation of place	nd allo- s	Only	as part of pool of ge	neral key skills (ASQ)	: 10 places. Places will be allo	cated by lot.		
11-PFNF-072-m01	Practical Cours	se Physic	s for S	tudents of Non-phys	sics-related Minor Su	ıbjects			
	ECTS 3	Duratio	n	1 semester Method of grading (not) successfully completed Modul level undergraduate					
	Courses		P (no	information on SWS	(weekly contact hou	irs) and course language availa	able)		
	Method of asse	essment	a) ora	l test (approx. 15 m	inutes) during experi	ment and b) ungraded written e	examination (ap	prox. 90 minutes)	
	Participants and allo- cation of places		Only	as part of pool of ge	neral key skills (ASQ)	: 10 places. Places will be allo	cated by lot.		
08-PC-Bio-072-	Physical Chem	istry for l	Biolog	y Majors					
m01	ECTS 5	Duratio	n	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. o8-PC-Bio-1-o62: V + Ü (no information on SWS (weekly contact hours) and course language available) o8-PC-Bio-2-o72: P (no information on SWS (weekly contact hours) and course language available) 						
			Asses Kinet	d otherwise, succes sement in module co ics, Electrochemistry 4 ECTS, Method of written examinatic sement in module co 1 ECTS, Method of Vortestate (pre-ex) 10 pages), Nachter Assessment offere	sful completion of the pmponent o8-PC-Bio y (lecture) grading: numerical gon (60 minutes) pmponent o8-PC-Bio grading: (not) succes periment exams, app state (post-experiment ed: once a year, winte	e module will require successfu -1-062: Thermodynamics, Kinef -2-072: Physical Chemistry (lec ssfully completed rox. 15 minutes each), assessr nt exams, approx. 15 minutes e r semester	tics, Electrocher ture and lab) nent of practica	l performance (log approx. 5 to	
08-LMC-AC2-092-	Quantitative In	organic (Chemis	stry for Food Chemis	stry Students				
11101	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		V + U	(no information on	SWS (weekly contact	hours) and course language av	vailable)		
	Method of asse	essment	writte	n examination (120	minutes)				
08-LMC-AC3-092-	Quantitative In	organic /	Analys	is for Food Chemist	ry Students		-,		
moi	ECTS 14	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		P + S	+ S (no information	on SWS (weekly cont	act hours) and course languag	e available)		
	Method of asse	essment	oral examinations of one candidate each during lab course (approx. 15 minutes), talk (approx. 20 minutes), proof of correct- ness 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)						

Bachelor's with 1 major Food Chemistry (2009)	JMU Würzburg • generated 11-Jan-2023 • exam. reg. data record 82 096 - - H 2009	page 4 / 7

03-TR-072-m01	Toxicology and legal studies									
	ECTS 3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + V	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	essment	writte	n examination (app	rox. 90 minutes)					
08-LMC-BC-092-	Biochemistry	for Food C	hemis	try Students						
m01	ECTS 6	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	V + Ü + V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	essment	writte	written examination (approx. 120 minutes) or oral examination (approx. 30 minutes)						
	Additional Info	ormation	Will ir	nclude a total of 15 t	eaching units on the	generation of energy, biologica	l oxidation, enz	zymes and biocatalysis.		
08-LMC-IA-092-	Introduction t	o Instrum	ental A	nalysis for Food Ch	emistry Students					
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V (no	information on SWS	6 (weekly contact hou	rs) and course language availa	ble)			
	Method of ass	sessment	writte	n examination (app	rox. 120 minutes)					
08-LMC-LMA-092-	Instrumental	Analysis f	or Food	Chemistry Student	ts					
m01	ECTS 12	Duratio	n	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 ass	sessment	oral examinations of one candidate each during lab course (approx. 15 minutes), completion of written theoretical assign-							
			ments (2 assignments, 180 minutes each), completion of practical assignments as specified by the lecturer including docu- mentation in lab notebook in the form of logs of analyses (approx, 12 pages per assignment, approx, 72 pages total)							
08-LMC-	Introduction to	o Food Ch	emistr			or unutyses (upprox. 12 puges p	ier ussignment,			
LMC0-092-m01	FCTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	Duratio	V + S	(no information on 9	SWS (weekly contact	hours) and course language av	ailable)	undergiadaate		
	Method of assessment		written examination (approx. 120 minutes)							
08-LMC-	Food chemistry 1									
LMC1-092-m01	ECTS 17	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + S	+ P + S (no informat	ion on SWS (weekly o	contact hours) and course langu	uage available)			
	Method of ass	essment	talk (approx. 45 minutes), oral examinations of one candidate each during lab course (approx. 15 minutes), proof of correct-							
			ness	and reproducibility	of analyses including	documentation in lab noteboo	k in the form of	logs of analyses (approx. 6 pages		
	per analysis, approx. 60 pages total), summary product analysis (approx. 15 to 20 pages)									
08-LMC-	Food chemist	ry 2		r						
LMC2-092-11101	ECTS 12	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S + V	+ P + S (no informat	ion on SWS (weekly o	contact hours) and course langu	uage available)			
	Method of ass	sessment	talk (a	approx. 45 minutes)	, oral examinations o	t one candidate each during lab	o course (appro	x. 15 minutes), proof of correct-		
			per ai	nalvsis, approx. 60 i	bages total). summar	v product analysis (approx. 15 t	o 20 pages)	iogs of analyses (applox. 6 pages		
			per ai	nalysis, approx. 60 p	pages total), summar	y product analysis (approx. 15 t	o 20 pages)			

Bachelor's with 1 major Food Chemistry (2009)	JMU Würzburg • generated 11-Jan-2023 • exam. reg. data record 82 096 - - H 2009	page 5 / 7

08-LMC-OC0-092-	Organic Chemistry o (Nomenclature and Stereochemistry) for Food Chemistry Students									
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		S+Ü	5 + Ü + S (no information on SWS (weekly contact hours) and course language available)						
	Method of asse	essment	writte	written examination (approx. 60 minutes)						
	Modules succe	ssfully	o8-LN	IC-AC2 and o8-LMC	C-AC3					
	completed									
08-LMC-OC1-092-	Organic Chemi	stry for F	ood Ch	emistry Students	1		1			
11101	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + U	+ Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of asse	essment	writte	n examination (app	prox. 120 minutes)			_		
	Modules succe completed	ssfully	08-LN	IC-AC2 and 08-LMC	C-AC3					
08-LMC-0C2-092-	Practical Cours	e in Orga	anic Ch	emistry for Food Cl	hemistry Students					
m01	ECTS 10	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		P (no	information on SW	S (weekly contact hou	rs) and course language availa	ble)			
	Method of assessment		oral e	oral examinations (approx. 15 minutes each) and logs (approx. 65 pages)						
	Modules succe completed	ssfully	o8-LN	IC-AC2 and o8-LMC	C-AC3					
07-LMC-BIO2-092-	Microbiology f	or Food C	hemist	try students						
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses	•	V + Ü	(no information on	SWS (weekly contact	hours) and course language av	ailable)	•		
	Method of asse	essment	log (a	pprox. 30 pages)						
03-LMC-HYG-092-	Microbiology o	of Food ar	nd Hygi	ene for Food Chem	istry Students					
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + P	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method of asse	essment	writte	n examination (app	prox. 60 minutes)					
Thesis (10 ECTS cre	dits)									
08-LMC/BA-092-	Bachelor Thesi	S						_ <u>.</u>		
m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		(no in	formation on SWS	(weekly contact hours) and course language availabl	e)			
	Method of asse	essment	writte	n thesis (approx. 2	o to 30 pages)					
Subject-specific Ke	y Skills (15 ECTS	S credits))							
08-LMC-FSQ1-092-	Analysis Strate	egies								
m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses		R + S	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method of asse	essment	projec	ct report (approx. 1	5 pages)					
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Bachelor's with 1 major F	000 Chemistry (2009)					JNU WURZDURG • generated 11-Jan-202	23 • exam. reg. data re	ecoru 82 096 - - H 2009	page 6 / 7	

08-LMC-FSQ2-092-	Quality	uality management									
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + Ü	V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Metho	d of asse	essment	term p	term paper (approx. 10 pages) with presentation (approx. 15 minutes)						
	Modules successfully o8-LMC-IA completed										
08-LMC-MBA-092-	Introdu	uction to	Molecul	ar Biol	ogical Analysis for F	ood Chemistry Stude	ents				
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		S + P	(no information on S	WS (weekly contact	hours) and course language ava	ailable)			
	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)						
	Module comple	es succe eted	ssfully	o8-LMC-IA, o8-LMC-LMA, o8-LMC-LMo, lab course of module o8-LMC-LMC2							