

Annex SFB

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

Responsible: Faculty of Medicine Examination regulations version: 2019 Responsible: Faculty of Chemistry and Pharmacy Examination regulations version: 2019 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} = 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 cremodules 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:

ASPO2015

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

03-Apr-2019 (2019-20)

24-Mar-2020 (2020-25)

22-Dec-2021 (2021-86)

13-Dec-2023 (2023-110)

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 l	evel				
	Courses		To be sp	ecified in the form X	(y) with course type 2	Kabbreviated as specified above and nu	Imber of weekly contact he	ours y			
	Method of as	ssessme	ent								
	Only after su completion of		l if applica	if applicable							
	Other prereq	uisites	if applica	if applicable							
	Participants on of places		ocati- if applica	ible							
	Additional in	formati	on if applica	if applicable							
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)							

Compulsory Electives 1 (50 ECTS credits) Choosing a focus area; this must be fully completed.

Focus - Molecular Life-Sciences (50 ECTS credits)

Subfield - Structural and Functional Biochemistry (30 ECTS credits)

Sublicia Structur	at and it	inction	at biochei	instry	(30 ECTS credits)						
o8-MBC-	RNA w	orlds									
RNAW-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Courses			V (1) -		·					
		-		ļ	Nodule taught in: German or English						
	Metho	d of ass	essment		a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or						
						groups of up to 3 candidates (approx. 30 to 60 m	inutes) or				
				e) pre	e) presentation (20 to 45 minutes)						
						ed about the method, length and scope of the as	ssessment prior to th	e course.			
	1.10			Langi	lage of assessmen	nt: German and/or English					
08-MBC-LCP-152- mo1		cle of pi						· · · ·			
mor	ECTS	5	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (1) -		an or English					
	Matha	dofoco	essment	<u> </u>	lle taught in: Germ						
	metho	u or ass	essment		g (approx. 10 to 20	(30 to 60 minutes) or					
					c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or						
					e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.						
						nt: German and/or English	ssessment prior to th	e course.			
08-MBC-RNP-152-	Structu	ire and	function o	-	-protein complexe						
mo1	ECTS	10	Duratio		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course			Ü (6)				0			
					Module taught in: German or English						
	Method of assessment			a) log (20 to 30 pages) or							
				b) oral examination of one candidate each (20 to 30 minutes) or							
				c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or							
				d) presentation (20 to 40 minutes) Language of assessment: German and/or English							
						nce a year, winter semester					

08-MBC-PQK-152-	Protei	in quality	ontrol							
m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Cours	es		Ü (6) Modu	le taught in: Germar					
	Metho	od of asse		a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester						
08-MBC-MK-152-	Macro	molecul	ar Crystall	ograp	hy					
m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Cours	es	V (2) + Ü (1) + P (5) Module taught in: German or English							
		od of asse		a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester						
08-MBC-MSP-161-		Spectror	metry and	Prote	omics					
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate	
	Cours	es			+ S (1) + P (2) lle taught in: Germar	n or English				
		od of asse		 a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered, no less than once a year 						
		ipants an 1 of place		67 pla	ices.					

08-MCM3-172-m01	Drug d	esign									
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (2) · Modu	+ Ü (1) le taught in: Germ	nan or English					
	Metho	d of asse	essment	presentation (approx. 30 minutes) with discussion Language of assessment: German and/or English							
		oants an of place		the sa will b Place seme ces w	22 places. 16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot.2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot ; a waiting list will be maintained and places re-allocated by lot as they become available.						
03-MBC-PBP-172-	Biophy	sics of I	Proteins								
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				+ S (1) + P (2) le taught in: Engli	ish					
	Metho	d of asse	essment	b) log c) ora d) ora e) pre	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
	Participants and allo- cation of places			Bioch	emie (Biochemist	try) Master's: 63 places					
08-MBC-EMV-172-		n micro	scopy an	d imag	e processing in st						
m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (1) + Modu	- S (1) le taught in: Germ	nan or English					
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English							

08-MBC-EMP-172-	Practica	al cours	se of elect	ron mi	croscopy and imag	ge processing				
m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		P (8) Modu	le taught in: Germ	an or English				
	Method	of ass	essment	a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester						
08-MBC-FPV-232-	Function	nal Pro	teomics:	Deciph	ering Protein Wor	lds				
m01	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		V (1) + Modu	- S (1) le taught in: Germ	an or English				
	Method	of ass	essment	b) ora c) ora d) pre Stude Langu	I examination of o l examination in gr sentation (20 to 4 ents will be informe rage of assessmen	5 minutes)	o to 60 minutes) or dates (30 to 60 minutes) or length and scope of the asses lish	ssment prior to th	e course.	
08-MBC-FPP-232-	The Fun	ctiona	l Proteom	e: Orga	anization, Modula	tion and Dynamics				
m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		Ü (6) Modu	le taught in: Germ	an or English				
	Method	of ass	essment	b) ora c) ora d) pre Stude Langu	l examination in gr sentation (20 to 4 ents will be informe rage of assessmen	ne candidate each (30 roups of up to 3 candi 5 minutes)	dates (approx. 30 to 60 minut length and scope of the asses lish		e course.	
	other pr	rerequi	sites	Stude	ents are highly reco	mmended to complet	e module o8-MBC-FPV in the	same semester.		
	Particip cation o			of sub	oject semesters. Ar	nong applicants with		semesters, places	ocated according to the number will be allocated by lot. A waiting	

Master's with 1 major Biochemistry (2019) JMU Wurzburg • generated 19-Apr-2025 • exam. reg. data record 88/025/-/-HI2019 page 6 /	aster's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 6 / 41

07-MS2B-	Biophysics a	nd Molecu	lar Biot	technology						
T-152-m01	ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (2) - Modu	+ S (1) le taught in: English	1					
	Method of as	sessment	c) ora d) ora Stude	 a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English 						
08-MBC-LIT1-152-	Literature ser	minar 1								
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		S (2) Modu	le taught in: Germa	n or English		·			
	Method of as	sessment		ntation (20 to 40 mi lage of assessment:	inutes) : German and/or Eng	lish				
03-98-SCB-192-	Single Cell Bi	ology								
m01	ECTS 5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		Modu) + Ü (0,5) le taught in: English						
	Method of as	sessment	Langu	n examination (app lage of assessment: able for bonus						
	Participants a cation of plac		M.Sc. M.Sc.	Biomed: 15 Biochem: 15 Biowis: 10 tion process: alloca	tion by lot					
Subfield - Molecula	ar and Medical	Cell Biolog	gy (20	ECTS credits)						
03-MS2H-	Human genet	ics								
G-152-m01	ECTS 10	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			le taught in: Germa	-					
	Method of as	sessment	b) ora c) ora	l examination of on l examination in gro	pprox. 45 to 90 minu e candidate each (20 oups of up to 3 candio : German and/or Eng	to 30 minutes) or dates (15 to 30 minutes per ca	andidate)			
08-PH-KAC-152-	Clinical-analy	/tical Chen	nistry							
m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses		V (3)							
	Method of as	sessment		n examination (app lage of assessment:	rox. 120 minutes) : German and/or Eng	lish				
Master's with 1 major Bio	ochemistry (2019)					JMU Würzburg • generated 19-Apr	-2025 • exam. reg. data ı	record 88 025 - - H 2019	page 7 / 41	

08-PH-KACP-152-	Practic	al cours	se of clini	cal-an	alytical Chemistry						
m01	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	Courses		P (5)	•	•		*			
	Method of assessment			and a	Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English						
07-MS2M1-192-	Microb	piology 1									
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				+ S (1) Ile taught in: Germa	an and/or English					
	Method	d of ass	essment	c) ora d) ora Stude	a) written examination (30 to 60 minutes; also multiple choice) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						
	other prerequisites			May r	not be combined wi	th 07-MS2INF-BC.					
	Participants and allo- cation of places			Place	s will be allocated a		per of subject semesters. Amor		th the same number of subject se- ated by lot as they become availa-		
07-MS2M2-192-	Microbiology 2										
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses				V (2) + S (1) Module taught in: German and/or English						
	Method	Method of assessment			 a) written examination (30 to 60 minutes; also multiple choice) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English 						
	other p	rerequi	sites	May r	not be combined wi	th 07-MS2INF-BC.					
	Particip cation			May not be combined with 07-MS2INF-BC. Biochemie (Biochemistry), Master's: 15 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject se- mesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become availa- ble.							

07-MS2INF-	Infectio	on Biola	ogy for Bio	ochem	istry Students	,						
BC-191-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Module taught in: German and/or English								
	Method	d of ass	sessment	c) ora d) ora Stude	 a) written examination (30 to 60 minutes; also multiple choice) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English 							
	other p	orerequi	isites	May r	not be combined with	h 07-MS2M1.						
07-MS2PA-BC-191-	-				sms for Biochemistry	1						
m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		· · ·	V (2) Module taught in: German and/or English							
	Method	l of ass	sessment	c) ora d) ora Stude	a) written examination (30 to 60 minutes; also multiple choice) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English							
	other p	orerequi	isites	May r	May not be combined with 07-MS2M2.							
03-MS2IM1-152-	Immun	ology 1										
m01	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (1) + S (2) Module taught in: English							
	Methoo	d of ass	sessment	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		pants a of place	nd allo- es	appli	cants with the same	number of subject s	Assessment offered: Once a year, winter semester Biochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.					

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 9 / 41
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03-MS2IM2-152-	Immun	ology 2	2								
m01	ECTS	10	Duration	า	1 semester	Method of gradin	g numerical grade	Modul leve	el graduate		
	Course	S			V (1) + S (2) Module taught in: English						
				a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester							
		oants ar of place		applio	cants with the san		semesters, places wi		umber of subject semesters. Among waiting list will be maintained and		
03-MS2V1-152-	Virolog	gy 1									
m01	ECTS	10	Duration		1 semester	Method of gradin	g numerical grade	Modul leve	el graduate		
	Courses				+ S (2) Ile taught in: Engli	sh					
	Metho	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
	Participants and allo- cation of places		applic	cants with the san		semesters, places wi		umber of subject semesters. Among waiting list will be maintained and			
03-MS2V2-152-	Virolog	gy 2									
m01	ECTS	10	Duration		1 semester	Method of gradin	g numerical grade	Modul leve	el graduate		
	Course	S			+ S (2) Ile taught in: Engli	sh					
	Metho	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English Assessment offered: Once a year, summer semester							
	Participants and allo- cation of places			Biochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							

	7	
Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 10 / 41

03-98-PBG-152-	Bacteri	al gen	etics - Infe	ctiolo	gy							
m01	ECTS	5	Duratio	n	1 semester	Method of grading nu	merical grade	Modul level	undergraduate			
	Courses	s		V (1)	$V(1) + S(1) + \ddot{U}(4)$							
	Method	l of ass	sessment		a) written examination (approx. 45 to 90 minutes) or							
					 b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English 							
				Lang								
	Participants and allo- cation of places			appli	Biochemie (Biochemistry), Master's: 4 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and blaces re-allocated by lot as they become available.							
03-98-MVKB-152-	Cardiov	/ascula	ar Biology									
m01	ECTS	5	Duration	n	1 semester	Method of grading nu	merical grade	Modul level	graduate			
	Courses	S		V (2) Modi	ıle taught in: Gerr	nan/English						
	Method	l of ass	sessment	a) wr	a) written examination (30 to 60 minutes) or							
					b) log (approx. 10 to 20 pages) or							
					c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or							
					e) presentation (20 to 45 minutes)							
					Students will be informed about the method, length and scope of the assessment prior to the course.							
				Lang	Language of assessment: German or English							
	_			Asse	ssment offered: O	nce a year, winter semeste	·					
03-98-MV-	Molecu											
MO-152-mo1		5	Duratio		1 semester	Method of grading nu	merical grade	Modul level	graduate			
	Courses	S		V (2) Modi	ule taught in: Gerr	nan/English						
	Method	l of ass	sessment			(30 to 60 minutes) or						
		b) log (approx. 10 to 20 pages) or										
		c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or										
							s (applox, 30 to 60 m	initiales) of				
				e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.								
				Lang	uage of assessme	nt: German or English		,				
				Asse	ssment offered: O	nce a year, winter semeste	1		,			

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 11 / 41

03-ONC-CLIN-152-	Clinica	l Oncolo	gy										
m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)									
				Modu	le taught in: Germar	n or English							
	Method	d of asse	essment) written examination (30 to 60 minutes) or								
					oral examination of one candidate each (30 to 60 minutes) or								
					d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.								
						German and/or Engl		nent prior to th	e course.				
03-98-MV-	Stem C	ell Biolo	gy		0								
SZ-152-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)									
				Modu	odule taught in: German/English								
	Method	d of asse	essment		tten examination (30								
				b) log (approx. 10 to 20 pages) or									
				c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or									
				e) presentation (20 to 45 minutes)									
					Students will be informed about the method, length and scope of the assessment prior to the course.								
					Language of assessment: German or English								
				Asses	sment offered: Once	e a year, summer sen	nester						
03-98-MV-		l Neurob	oiology										
KN-152-m01	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		· · ·	+ S (2)								
				Modu	Module taught in: English								
	Method	d of asse	essment		tten examination (30								
				b) oral examination of one candidate each (30 to 60 minutes) or									
				c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or									
				d) presentation (20 to 45 minutes)									
				Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English									
				Lungu	age of assessment.								

03-98-MVTF-152-	Tissue	Enginee	ering / Fu	nctiona	al Materials			_				
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	V (2) Module taught in: German/English							
	Methoo	l of asso	essment	b) log c) ora d) ora e) pre Stude Langu	 a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester 							
08-MBC-LIT2-152-	Literat	ure sem	inar 2									
m01	ECTS 5 Duration		n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			S (2) Module taught in: German or English								
	Method of assessment				presentation (20 to 40 minutes) Language of assessment: German and/or English							
03-MBC-TG-161-	Tumor	Genetic	:S									
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (1) + Modu	- S (1) le taught in: Englis	h						
	Method	l of asse	essment	 a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English 								

Focus - Molecular C	ncology	y (50 EC	S credit	s)							
Subfield - Tumor Bi	ology (3	5 ECTS	credits)								
03-98-MV-	Molecu	ılar Onco	ology								
MO-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) Module taught in: German/English							
	Methoo	d of asse	ssment	 a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester 							
03-ONC-CLIN-152-		l Oncolo	gy								
m01	ECTS	5	Duratio	<u>1</u>	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) Module taught in: German or English							
	Method of assessment			a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English							
03-ONC-SEM1-152-	Oncolo	gy Semi	nar 1								
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		S (1) Modu	S (1) Module taught in: German or English						
	Methoo	d of asse	ssment	a) written examination (approx. 45 to 90 minutes) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English							
	Participants and allo- cation of places			Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							

03-ONC-SEM2-152-	Oncolo	ogy Sem	inar 2									
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	2S		S (1) Modu	S (1) Module taught in: German or English							
	Metho	d of ass	essment	b) pre	a) written examination (approx. 45 to 90 minutes) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English							
		pants ar of place		appli	Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
03-ONC-TUMP-152-	Experi	mental 1	Fumor Bio	logy								
m01	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		P (8) Modu	lle taught in: Germa	an or English						
	Metho	d of asso	essment	a) Log (20 to 30 pages) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English								
		pants ar of place		appli	Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
03-ONC-LAB1-152-	Lab rot	tation O	ncology									
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	es		P (6) Modu	P (6) Module taught in: German or English							
	Metho	d of asso	essment	a) Log (20 to 30 pages) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English								
		pants ar of place		Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								

o8-MBC-	RNA w	orlds										
RNAW-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			V (1) + S (1) Module taught in: German or English							
	Metho	d of ass	essment	b) log c) ora d) ora e) pre Stude	 a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English 							
8-MBC-LCP-152-	Life cy	cle of pr	oteins									
m01	ECTS	5	Duratio	n	1 semester	graduate						
	Course	S	_	V (1) - Modu	- S (1) le taught in: Germa	n or English			·			
	Metho	d of ass	essment	 a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English 								
8-MBC-RNP-152-	Structu	ire and	function o	of RNA	protein complexes							
n01	ECTS	10	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			Ü (6) Modu	Ü (6) Module taught in: German or English							
	Method of assessment			a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester								

08-MBC-PQK-152-	Protei	in quality	ontrol									
m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es		Ü (6) Modu	(6) Iodule taught in: German or English							
	Metho	od of asse		a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester								
08-MBC-MK-152-	Macro	molecul	ar Crystall	ograp	hy							
m01	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es) + Ü (1) + P (5) dule taught in: German or English							
		od of asse		b) log c) ora d) ora e) pre Langu Asses	ll examination in gro sentation (20 to 40 lage of assessment: ssment offered: Once	e candidate each (20 to 30 minutes) or oups of up to 3 candidates (15 to 30 minutes per candidate) or						
08-MBC-MSP-161-		S-Spectrometry and Proteomics										
m01	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	es			+ S (1) + P (2) lle taught in: Germar	n or English						
		od of asse		 a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered, no less than once a year 								
		ipants an 1 of place		67 pla	ices.							

08-MCM3-172-m01	Drug d	esign	1										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			6 (2) + Ü (1) Aodule taught in: German or English								
	Methoo	d of asse	essment		presentation (approx. 30 minutes) with discussion Language of assessment: German and/or English								
		oants an of place		the sa will b Place seme ces w	22 places. 16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot.2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot ; a waiting list will be maintained and places re-allocated by lot as they become available.								
03-MBC-PBP-172-	Biophy	sics of I	Proteins										
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S			V (2) + S (1) + P (2) Nodule taught in: English								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English									
		oants an of place		Bioch	emie (Biochemist	ry) Master's: 63 places.							
08-MBC-EMV-172-		n micro	scopy an	d imag	e processing in st	tructural biology							
m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (1) - Modu	S (1) le taught in: Germ	nan or English							
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English									

	Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 18 / 41
- 1			

08-MBC-EMP-172-	Practica	al cours	se of elect	ron mi	croscopy and imag	ge processing				
m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		P (8) Modu	le taught in: Germ	an or English				
	Method	of ass	essment	a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester						
08-MBC-FPV-232-	Function	nal Pro	teomics:	Deciph	ering Protein Wor	lds				
m01	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		V (1) + Modu	- S (1) le taught in: Germ	an or English				
	Method	of ass	essment	b) ora c) ora d) pre Stude Langu	I examination of o l examination in gr sentation (20 to 4 ents will be informe rage of assessmen	5 minutes)	o to 60 minutes) or dates (30 to 60 minutes) or length and scope of the asses lish	ssment prior to th	e course.	
08-MBC-FPP-232-	The Fun	ctiona	l Proteom	e: Orga	anization, Modula	tion and Dynamics				
m01	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	5		Ü (6) Modu	le taught in: Germ	an or English				
	Method	of ass	essment	b) ora c) ora d) pre Stude Langu	l examination in gr sentation (20 to 4 ents will be informe rage of assessmen	ne candidate each (30 roups of up to 3 candi 5 minutes)	dates (approx. 30 to 60 minut length and scope of the asses lish		e course.	
	other pr	rerequi	sites	Stude	ents are highly reco	mmended to complet	e module o8-MBC-FPV in the	same semester.		
	Particip cation o			12 Should the number of applications exceed the number of available places, places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.						

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 19 / 41

T-152-m01 ECTS 10 Duration 1 semester Method of grading numerical grade Modul level graduate Courses V (2) + S (1) Module taught in: English Module taught in: English V						
Method of assessmenta) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. 	c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.					
08-MBC-LIT1-152- Literature seminar 1						
mo1 ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate						
Courses S (2) Module taught in: German or English						
Method of assessmentpresentation (20 to 40 minutes)Language of assessment: German and/or English						
03-98-SCB-192- Single Cell Biology						
mo1 ECTS 5 Duration 1 semester Method of grading numerical grade Modul level graduate						
Courses V (1,5) + Ü (0,5) Module taught in: English	V (1,5) + Ü (0,5) Module taught in: English					
Method of assessment written examination (approx. 60 minutes) Language of assessment: English creditable for bonus	Language of assessment: English					
Participants and allo- cation of placesM.Sc.Biomed: 15 M.Sc. Biochem: 15 M.Sc. Biowis: 10 Selection process: allocation by lot						
Compulsory Electives 2 (40 ECTS credits) Choosing a focus area; this must be fully completed.						
Focus Expert Key Qualifications (practice oriented) (40 ECTS credits)						
Subfield Research oriented Projects (30 ECTS credits)						
08-MBC-AP1-152- Practical course - abroad 1						
mo1 ECTS 30 Duration Method of grading (not) successfully completed Modul level graduate						
Courses No courses assigned to module						
Method of assessmenta) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English	 b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) 					
Additional Information Duration of practical course: no less than 15 weeks.						

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 20 / 41

08-MBC-AP2-152-	Practical cou	ırse - abroa						
m01	ECTS 15	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate			
	Courses		No co	ourses assigned to r	module			
	Method of as	sessment	b) ora c) ora d) pre	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English				
	Additional In	formation	Durat	ion of practical cou	Irse: no less than 8 weeks.			
08-MBC-EP1-152-	Practical cou	ırse - exteri	nal 1					
m01	ECTS 15	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate			
	Courses		No co	ourses assigned to r	module			
	Method of as		b) ora c) ora d) pre Lange	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) anguage of assessment: German or English				
	Additional In	formation	Durat	ion of practical cou	Irse: no less than 8 weeks.			
08-MBC-EP2-152-	Practical cou	ırse - exteri	nal 2					
m01	ECTS 15	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate			
	Courses		No co	ourses assigned to r	module			
	Method of as	sessment	b) ora c) ora d) pre	ll examination in gro esentation/talk (app) or ne candidate each (approx. 20 minutes) or roups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or prox. 15 to 30 minutes) t: German or English			
	Additional In	formation	Durat	Duration of practical course: no less than 8 weeks.				
08-MBC-LP1-152-	Practical lab	course 1						
m01	ECTS 15	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate			
	Courses	r.	No co	ourses assigned to r	module			
	Method of as Additional In		b) ora c) ora d) pre Langi	ll examination in gro esentation/talk (app uage of assessment	a) or ne candidate each (approx. 20 minutes) or roups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or prox. 15 to 30 minutes) t: German or English urse: no less than 8 weeks.			
1	Auditional III	ioiiiatioii	Juiai	ion of plactical cou				

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 21 / 41

08-MBC-LP2-152-	2- Practical lab course 2									
m01	ECTS 15	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses		No courses assigned to module							
	Method of ass	sessment								
			b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or							
	d) presentation/talk (approx. 15 to 30 minutes)									
	Language of assessment: German or English									
	Additional Info	ormation	Duration of practical course: no less than 8 weeks.							
08-MBC-LP3-152-	Practical lab o	ourse 3								
m01	ECTS 10	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses		No courses assigned to module							
	Method of ass	sessment								
			b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or							
			d) presentation/talk (approx. 15 to 30 minutes)							
			Language of assessment: German or English							
	Additional Info	ormation	Duration of practical course: no less than 6 weeks.							
08-MBC-LP4-152-	Practical lab c	ourse 4								
m01	ECTS 10	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses		No courses assigned to module							
	Method of ass	sessment								
			b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or							
			d) presentation/talk (approx. 15 to 30 minutes)							
			Language of assessment: German or English							
	Additional Info	ormation	Duration of practical course: no less than 6 weeks.							
08-MBC-LP5-152-	Practical lab c	ourse 5								
m01	ECTS 5	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses		No courses assigned to module							
	Method of ass	sessment								
			b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or							
			d) presentation/talk (approx. 15 to 30 minutes)							
			Language of assessment: German or English							
	Additional Info	ormation	Duration of practical course: no less than 3 weeks.							

Master's with 1 major Biochemistry (2019) JN	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 22 / 41

08-MBC-LP6-152-	Practical la	Practical lab course 6									
m01	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		No co	urses assigned to	module						
		assessment	b) ora c) ora d) pre Langu	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English							
		Information	Durat	ion of practical cou	urse: no less than 3 wee	KS.					
08-MBC-WR2-152- m01		ecturing M2				·····		laws due to			
	ECTS 5	Duratio		1 semester		not) successfully completed	Modul level	graduate			
	Courses			urses assigned to				l l			
	Method of	assessment	cified	at the beginning o		ment to be successfully comp	oleted (type and	d length of assessment to be spe-			
o8-MBC-		in practical	course	ourses 2							
AWA2-152-m01	ECTS 5	Duratio		1 semester		not) successfully completed	Modul level	graduate			
	Courses		No courses assigned to module								
	Method of	assessment	Preparing and supervising student lab courses: assessment to be successfully completed (type and length of assessment to be specified at the beginning of the course) Language of assessment: German or English					ype and length of assessment to			
Subfield Completiv	e Qualificat	ions (10 ECTS	credit	s)							
08-SCM3-152-m01	Bioorganic Chemistry										
	ECTS 5	Duratio	n	1 semester	Method of grading r	numerical grade	Modul level	graduate			
	Courses		S (3)								
	Method of	assessment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-ACM2-161-m01	Bioinorgan	ic Chemistry									
	ECTS 5	Duratio	n	1 semester	Method of grading r	numerical grade	Modul level	graduate			
	Courses		S (3) Modu	S (3) Module taught in: German or English							
	Method of	assessment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 23 / 41

08-0CM-NAT-172-	Moder	Modern Aspects of Natural Product Chemistry and Biological Chemistry										
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S /Mod	ule taught in: Gern	nan or English						
	Methoo	d of asse	essment	b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
		pants an of place		ces. F	Places will be allocation	nme Chemie (Chemistry): no limitation. Master ated according to the number of subject semes vill be allocated by lot A waiting list will be mai	sters; among applican	ts with the same number of sub-				
08-HKM1-152-m01	Organo	o- and B	iocatalys	is								
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S (3)				_				
	Method of assessment			b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
07-MS2BI-152-m01	Bioinfo	ormatics	5									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2) + S (1) Module taught in: German and/or English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS3S-152-m01	System	ns Biolo	gy									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			· · ·	V (2) + S (1) Module taught in: German and/or English							
	Method of assessment			c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 24 / 41

07-MLS1-152-m01	Metho	Methods in Life Sciences											
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V (3)									
					le taught in: English			-					
	Metho	d of ass	essment			o to 60 minutes, inclu e candidate each (30	uding multiple choice questions	s) or					
							lates (30 to 60 minutes)						
				Stude	ents will be informed	about the method, l	ength and scope of the assessr	nent prior to th	e course.				
					lage of assessment:	English							
03-VTK-152-m01		l science	e and wel	fare									
	ECTS	3	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course				+ P (1)								
	Metho	d of ass	essment										
			- <u>.</u> .	Language of assessment: German and/or English Regular attendance of practical course (as specified at the beginning of the course).									
		orerequi				ctical course (as spe	cified at the beginning of the co	ourse).					
08-MBC-CTE-212- m01									· · · ·				
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Courses			0 (3) Modu	O (3) Module taught in: German and/or English								
	Metho	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or									
				b) term paper (8 to 12 pages) or									
				c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or									
				e) presentation (20 to 40 minutes)									
				Language of assessment: German and/or English									
	D (* *		<u> </u>	Assessment offered: Once a year, summer term Biochemie (Biochemistry), Master's: 30 places.									
		pants ar of place		BIOCH	emie (Biochemistry) s will be allocated a	, Master's: 30 places	5. Der of subject semesters Amon	g applicants wi	th the same number of subject se-				
	cation		.5	meste ble.	ers, places will be all	located by lot. A wait	ing list will be maintained and	places re-alloca	ited by lot as they become availa-				
	Additi	onal Info	rmation	Regul	ar participation in th	ie exercises (at least	80% attendance) is a prerequi	site for particip	ation in the exam.				

08-MBC-BE-212-	Ethic	Ethics of the Life Sciences									
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cours	ses		V (2) -		-		•	•		
				Modu	le taught in: Germa	n or English					
	Meth	od of ass	essment			pprox. 45 to 90 minut	es) or				
					m paper (8 to 12 page	ges) or e candidate each (20	to an minutas) or				
							lates (15 to 30 minutes per can	didate) or			
				e) pre	sentation (20 to 40	minutes)					
					Language of assessment: German and/or English						
						e a year, winter term					
		ional Info		Regul	ar participation in th	he exercises (at least	80% attendance) is a prerequi	site for participa	ation in the exam.		
08-MBC-		ture sem			r						
LIT3b-212-m01	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses			S (2) Module taught in: German or English							
	Meth	od of ass	essment	presentation (20 to 40 minutes)							
				Language of assessment: German and/or English							
	other prerequisites			May not be combined with o8-MBC-LIT3							
08-MBC-WR1-152-	Scientific lecturing M1										
m01	ECTS 5 Duration				1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Cours		- ·	T (o)							
	Method of assessment			Preparing and supervising study groups, wrap-up report (approx. 2 pages) Language of assessment: German and/or English							
o8-MBC-	Assis	tance in p	oractical o	course	51			·			
AWA1-152-m01	ECTS	5	Duratio	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Cours	ses		T (o)							
	Meth	od of asso	essment	Preparing and supervising student lab courses, wrap-up report (approx. 1 page) Language of assessment: German and/or English							
08-MBC-LIT3-152-	Litera	ture sem	inar 3								
m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cours	ses		S (2) Modu							
	Meth	od of ass	essment		ntation (20 to 40 mi		• 1				
				Language of assessment: German and/or English							

Focus - Expert Key	Qualifications (40 ECTS o	redits)									
Subfield Research	oriented Projects (20 EC1	rS credits)									
08-MBC-AP1-152-	Practical course - abroad 1										
m01	ECTS 30 Duration	n Method of grading (not) successfully completed Modul level graduate									
	Courses	No courses assigned to module									
		a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English									
		Duration of practical course: no less than 15 weeks.									
08-MBC-AP2-152-	Practical course - abroa										
m01	ECTS 15 Duration	n 1 semester Method of grading (not) successfully completed Modul level graduate									
	Courses	No courses assigned to module									
	Method of assessment	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English									
	Additional Information	Duration of practical course: no less than 8 weeks.									
08-MBC-EP1-152-	Practical course - external 1										
m01	ECTS 15 Duration	n 1 semester Method of grading (not) successfully completed Modul level graduate									
	Courses	No courses assigned to module									
	Method of assessment	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English									
	Additional Information	Duration of practical course: no less than 8 weeks.									
08-MBC-EP2-152-	Practical course - extern										
m01	ECTS 15 Duration	n 1 semester Method of grading (not) successfully completed Modul level graduate									
	Courses	No courses assigned to module									
	Method of assessment	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English									
	Additional Information	Duration of practical course: no less than 8 weeks.									

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 27 / 41

08-MBC-LP1-152-	Practical lab o	ourse 1					
m01	ECTS 15	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate				
	Courses		No courses assigned to module				
	Method of ass	sessment	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes)				
			Language of assessment: German or English				
	Additional Inf	ormation	Duration of practical course: no less than 8 weeks.				
08-MBC-LP2-152-	Practical lab o	ourse 2					
m01	ECTS 15	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate				
	Courses		No courses assigned to module				
	Method of ass		a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) anguage of assessment: German or English				
	Additional Info	ormation	Duration of practical course: no less than 8 weeks.				
08-MBC-LP3-152-	Practical lab o	ourse 3					
m01	ECTS 10	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate				
	Courses		No courses assigned to module				
	Method of ass	sessment	 a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English 				
	Additional Info	ormation	Duration of practical course: no less than 6 weeks.				
08-MBC-LP4-152-	Practical lab o	ourse 4					
m01	ECTS 10	Duratio	on 1 semester Method of grading (not) successfully completed Modul level graduate				
	Courses		No courses assigned to module				
	Method of ass		a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English Duration of practical course: no less than 6 weeks.				
		onnation	ן שנומנוטו טו אומנונמו נטעושב. ווט ובש נוומו ט אבבאש.				

Master's with 1 major Biochemistry (2019)			
	Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 28 / 41

08-MBC-LP5-152-	Practic	al lab co	ourse 5							
m01	ECTS 5 Duration			1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Course	s		No co	No courses assigned to module					
	Method	d of asse	essment		(approx. 20 pages)					
						e candidate each (app			itaa) ar	
						prox. 15 to 30 minutes)	prox. 30 minutes, groups of 3:	approx. 40 mm	ites) of	
						German or English				
	Additio	nal Info	rmation	Durati	on of practical cour	se: no less than 3 we	eks.			
08-MBC-LP6-152-	Practic	al lab co	ourse 6							
m01	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Course	S		No co	urses assigned to m	nodule				
	Method	d of asse	essment		(approx. 20 pages)					
						e candidate each (app			itac) ar	
							prox. 30 minutes, groups of 3:	approx. 40 mm	ites) of	
				d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English						
	Additional Information		rmation	Duration of practical course: no less than 3 weeks.						
08-MBC-WR2-152-	Scientific lecturing M2									
m01	ECTS 5 Duration		ı	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Course	S		No co	urses assigned to m	nodule				
	Method of assessment			Preparing and supervising study groups: assessment to be successfully completed (type and length of assessment to be spe-						
				cified at the beginning of the course) Language of assessment: German or English						
08-MBC-	Accista	ncoinn	ractical	-	-					
AWA2-152-m01					1 semester	Mathad of grading	(not) successfully completed	Modul level	graduate	
	ECTS 5 Duration			n 1 semester Method of grading (not) successfully completed Modul level graduate No courses assigned to module						
	Course	-	comont				· accasement to be successfu	lly completed (t	upp and length of according to	
	Method of assessment			Preparing and supervising student lab courses: assessment to be successfully completed (type and length of assessment to be specified at the beginning of the course)						
				Language of assessment: German or English						
Subfield Completiv	e Qualif	ications	(20 ECTS	5 credit	s)					
08-SCM3-152-m01	Bioorga	anic Che	mistry							
	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Course	S		S (3)						
	Method	d of asse	essment			pprox. 45 to 90 minut				
						e candidate each (20		- d: d - t -)		
						oups of up to 3 candid : German and/or Engli	ates (15 to 30 minutes per ca ish	naidate)		
				Lungu			511			

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 29 / 41

08-ACM2-161-m01	Bioinor	rganic (Chemistry	,						
	ECTS	5	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate	
	Course	S		S (3)		F 11 1				
					le taught in: Germ		<u></u>			
	Method	d of ass	essment			(approx. 45 to 90 minutes one candidate each (20 to				
						groups of up to 3 candidat		s per candidate)		
						nt: German and/or Englis				
08-0CM-NAT-172-	Moder	n Aspec	ts of Natu	iral Pro	oduct Chemistry a	nd Biological Chemistry				
m01	ECTS	5	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate	
	Course	S		S /Mod	lule taught in: Ger	man or English				
	Method of assessment			b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English					
	Participants and allo- cation of places			ces. F	Master's degree programme Chemie (Chemistry): no limitation. Master's degree programme Biochemie (Biochemistry): 20 pla- ces. Places will be allocated according to the number of subject semesters; among applicants with the same number of sub- ject semesters, places will be allocated by lot A waiting list will be maintained and places re-allocated as they become availa- ble.					
08-HKM1-152-m01	Organo	o- and B	Biocatalys	is						
	ECTS	5	Duratio	n	1 semester	Method of grading n	umerical grade	Modul level	graduate	
	Course	s		S (3)						
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or						
				b) oral examination of one candidate each (20 to 30 minutes) or						
				c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English						
03-MS2H-	Human	geneti	cs							
G-152-m01	ECTS	10	Duratio	n	2 semester	Method of grading n	umerical grade	Modul level	graduate	
	Courses			V (2) + S (2) Module taught in: German or English						
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English						

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 30 / 41

07-MS2BI-152-m01	Bioinfo	informatics									
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) - Modu	+ S (1) lle taught in: Germar	n and/or English					
	Metho	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English						
07-MS3S-152-m01	Systen	ns Biolo	gy								
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			V (2) - Modu	+ S (1) le taught in: Germar	n and/or English					
	Method of assessmenta) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English										
07-MLS1-152-m01	Metho	ds in Lif	e Science	s							
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (3) Modu	le taught in: English						
	Metho	Method of assessment			 a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English 						
03-VTK-152-m01	Animal science and welfare										
	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Course	S			V(2) + P(1)						
	Metho	d of ass	essment		n examination (appr lage of assessment:	ox. 90 minutes) German and/or Engl	ish				
	other p	rerequi	sites	Regul	ar attendance of pra	ctical course (as spe	cified at the beginning of the co	ourse).			

08-MBC-CTE-212-	Current	Topics	s in Ethics	and T	neory of Science					
m01	ECTS	5	Duratior	ı	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses	S		0 (3)			3			
					le taught in: Germ					
	Method	l of ass	essment		tten examination (m paper (8 to 12 p	approx. 45 to 90 minutes) or				
				c) ora	l examination of o	ne candidate each (20 to 30 minutes) or				
				d) ora	l examination in g	roups of up to 3 candidates (15 to 30 minutes per ca	andidate) or			
					sentation (20 to 4	o minutes) t: German and/or English				
						ce a year, summer term				
	Particip	ants ar	nd allo-			y), Master's: 30 places.				
	cation			Place	s will be allocated	according to the number of subject semesters. Amo				
				meste ble.	mesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become availa-					
	Additio	nal Info	ormation		ar participation in	the exercises (at least 80% attendance) is a prereq	uisite for particin	ation in the exam		
08-MBC-BE-212-			ife Scienc	-						
m01		5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses				V(2) + S(1)					
				Module taught in: German or English						
	Method	l of ass	essment	a) written examination (approx. 45 to 90 minutes) or						
				b) term paper (8 to 12 pages) or c) oral examination of one candidate each (20 to 30 minutes) or						
				d) oral examination in groups of up to 3 candidates (15 to 30 minutes) or						
				e) presentation (20 to 40 minutes)						
				Language of assessment: German and/or English Assessment offered: Once a year, winter term						
	Additional Information			Regular participation in the exercises (at least 80% attendance) is a prerequisite for participation in the exam.						
o8-MBC-	Literatu									
LIT3b-212-mo1	<u> </u>	5	Duration	1	1 semester	Method of grading (not) successfully complete	d Modul level	graduate		
	Courses			S (2)	1 Semester			3.444410		
	courses	5		Module taught in: German or English						
	Method	l of ass	essment	presentation (20 to 40 minutes)						
				Language of assessment: German and/or English						
	other p			May r	ot be combined w	ith o8-MBC-LIT3				
08-MBC-WR1-152-			uring M1							
m01		5	Duratior		1 semester	Method of grading (not) successfully complete	d Modul level	graduate		
	Courses			T (o)	· · · · · ·					
	Method	l of ass	essment			ng study groups, wrap-up report (approx. 2 pages) t: German and/or English				
				Lungt	145C 01 455C55111C1					

Master's with 1 major Biochemistry (2019) JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88|025|-|-|H|2019 page 32 / 41

o8-MBC-	Assistance	istance in practical courses 1							
AWA1-152-m01	ECTS 5	Duration	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Courses		T (o)	•					
	Method of a	assessment			g student lab courses, wrap-up report (approx. 1 pag	ge)			
			Langu	lage of assessment	: German and/or English				
08-MBC-LIT3-152-	Literature s				· · · · · · · · · · · · · · · · · · ·				
m01	ECTS 5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses		S (2) Modu	le taught in: Germa	n or English				
	Method of a	assessment		ntation (20 to 40 m lage of assessment	inutes) : German and/or English				
03-MBC-TG-161-	Tumor Gene	etics							
m01	ECTS 5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate		
	Courses			V (1) + S (1) Module taught in: English					
		Method of assessmenta) written examination (approx. 45 to 90 minutes) orb) log (20 to 30 pages) orc) oral examination of one candidate each (20 to 30 minutes) ord) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) ore) presentation (20 to 40 minutes)Language of assessment: German and/or English							
Focus - Expert Key	Qualification	ns (project or	iented) (40 ECTS credits)					
Subfield Project att	tendant Mod	ules (30 ECT	S cred	its)					
o8-MBC-	Special lect	tures 1							
FTSV1-152-m01	ECTS 5	Duration	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate		
	Courses		V (2) Module taught in: German or English						
	Method of a		a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Please consult with degree programme coordinator in advance.						

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 33 / 41

o8-MBC-	Special lectures 2										
FTSV2-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		V (2)								
			Module taught in: German or English								
	Method of ass	sessment	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or								
			c) ora	c) oral examination of one candidate each (20 to 30 minutes) or							
) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or							
				e) presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other prerequi	isites		Please consult with degree programme coordinator in advance.							
o8-MBC-				poster presentatio			1				
FTKP1-152-m01	ECTS 5	Duratio		1 semester		(not) successfully completed	Modul level	graduate			
	Courses	2 di di o	R (o)					3.44446			
				le taught in: Germa	an or English						
	Method of ass	sessment		oster (1 page)							
		<u> </u>	-	anguage of assessment: German and/or English							
	other prerequi	isites Please consult with degree programme coordinator in advance. articipation with poster presentation 2									
08-MBC- FTKP2-152-m01				i i				1			
11111 2 152 1101	ECTS 5 Duratio			1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		R (o) Modu	le taught in: Germa	an or English						
	Method of ass	sessment	Poster (1 page) Language of assessment: German and/or English								
	other prerequi	isites	Please consult with degree programme coordinator in advance.								
o8-MBC-	Conference pa	articipatio	n with	n with lecture 1							
FTKV1-152-m01	ECTS 10	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		R (o) Module taught in: German or English								
	Method of ass	sessment	presentation (20 to 40 minutes)								
			Language of assessment: German and/or English								
	other prerequi			Please consult with degree programme coordinator in advance.							
o8-MBC-	Conference pa	articipatio	n with	lecture 2							
FTKV2-152-m01	ECTS 10	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses		R (o) Modu	le taught in: Germa	an or English						
	Method of ass	sessment		presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other prerequi	isites	-		ree programme coordi						
Master's with 1 major Bio	ochemistry (2019)			-		JMU Würzburg • generated 19-Apr-20	25 • exam. reg. data	record 88 025 - - H 2019	page 34 / 41		

o8-MBC-	Excursion 1										
FTEX1-152-m01	ECTS 5 Duration		n	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Course	S		E (1) Modu	E (1) Module taught in: German or English						
	Methoo	d of ass	essment	b) log c) ora d) ora e) pre	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
	other prerequisites			Pleas	ease consult with degree programme coordinator in advance.						
08-MBC-FT-	Semina		1		1		1				
SE1-152-m01	ECTS	5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Course	S		S (2) Modu	Module taught in: German or English						
	Methoo	Method of assessment			 a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English 						
	other p	rerequi	sites	Please consult with degree programme coordinator in advance.							
o8-MBC-	Excurs	ion 2					-				
FTEX2-152-m01	ECTS	5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Course	S			E (1) Module taught in: German or English						
				a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other p	orerequi	sites	Pleas	e consult with deg	ree programme coordinator in advance.	_				

o8-MBC-FT-	Seminar 2										
SE2-152-m01	ECTS 5 Duration		n	1 semester	Method of grading (not) successfully completed Modul level graduate						
	Courses			S (2) Modu	S (2) Module taught in: German or English						
	Methoo	d of ass	essment	b) log c) ora d) ora e) pre	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
	other prerequisites			Pleas	ease consult with degree programme coordinator in advance.						
o8-MBC-FT-	Semina	ar 3									
SE3-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate					
	Courses			S (2) Modu	S (2) Module taught in: German or English						
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other prerequisites			Pleas	Please consult with degree programme coordinator in advance.						
o8-MBC-	Workshop 1										
FTWS1-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate					
	Course	!S		R (o) Module taught in: German or English							
	Methoo	d of ass	essment		Wrap-up report (approx. 2 pages) Language of assessment: German and/or English						
	other p	rerequi	sites	Pleas	Please consult with degree programme coordinator in advance.						
o8-MBC-	Works	hop 2									
FTWS2-152-m01	ECTS 5 Duratio			n	1 semester	Method of grading (not) successfully completed Modul level graduate					
	Courses				R (o) Module taught in: German or English						
	Methoo	d of ass	essment		Wrap-up report (approx. 2 pages) Language of assessment: German and/or English						
	other prerequisites			Pleas	e consult with de	legree programme coordinator in advance.					

o8-MBC-	Worksh	ор з									
FTWS3-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses	5		R (o)							
				Modu	Module taught in: German or English						
	Method	of ass	essment		Vrap-up report (approx. 2 pages)						
					anguage of assessment: German and/or English						
	other pr				lease consult with degree programme coordinator in advance.						
08-MBC-FT- PB1-152-m01			practical (1		(n at) as a safe like a mulata a		and the set		
1 01 152 1101		5	Duratio	.	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses	5		T (o) Modu	lle taught in: Germ	an or English					
	Method	of ass	essment		eparing and supervising student lab courses, wrap-up report (approx. 1 page) Inguage of assessment: German and/or English						
o8-MBC-FT-	Assista	nce in J	practical	course	S 2						
PB2-152-m01	ECTS 5 Duratio		n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	5		T (o) Modu	T (o) Module taught in: German or English						
	Method	ofass	essment		Preparing and supervising student lab courses, wrap-up report (approx. 1 page) Language of assessment: German and/or English						
Subfield Completiv	ve Qualifi	cations	5 (10 ECTS	5 credi	ts)						
08-SCM3-152-m01	Bioorganic Chemistry										
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		S (3)	5 (3)						
	Method	of ass	essment	b) ora c) ora	al examination of o Il examination in gi	approx. 45 to 90 minu ne candidate each (20 roups of up to 3 candio it: German and/or Engl	to 30 minutes) or lates (15 to 30 minutes per ca	ndidate)			
08-ACM2-161-m01	Bioinor	ganic C	hemistry								
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses	5		S (3) Modu	S (3) Module taught in: German or English						
	Method	of ass	essment	b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English						

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 37 / 41

08-0CM-NAT-172-	Moder	n Aspec	ts of Natu	iral Pro	al Product Chemistry and Biological Chemistry							
m01	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		S /Mod	S /Module taught in: German or English							
	Methoo	d of ass	essment	b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
	Participants and allo- cation of places			ces. F	Master's degree programme Chemie (Chemistry): no limitation. Master's degree programme Biochemie (Biochemistry): 20 pla- ces. Places will be allocated according to the number of subject semesters; among applicants with the same number of sub- lect semesters, places will be allocated by lot A waiting list will be maintained and places re-allocated as they become availa- ble.							
08-HKM1-152-m01	Organo	o- and B	iocatalys	is								
	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			S (3)								
	Methoo	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
07-MS2BI-152-m01	Bioinfo	rmatics	;									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses			V (2) + S (1) Module taught in: German and/or English								
	Method	d of ass	essment	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								
07-MS3S-152-m01	System	ns Biolo	gy									
	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		· · ·	V (2) + S (1) Module taught in: German and/or English							
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English								

Master's with 1 major Biochemistry (2019)	JMU Würzburg • generated 19-Apr-2025 • exam. reg. data record 88 025 - - H 2019	page 38 / 41

07-MLS1-152-m01	Metho	Methods in Life Sciences											
	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	es		V (3)									
				Module taught in: English									
	Metho	d of ass	essment	 a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) 									
				Stude	Students will be informed about the method, length and scope of the assessment prior to the course.								
					Language of assessment: English								
03-VTK-152-m01		l science	e and wel	fare									
	ECTS	3	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
	Course			V (2) ·									
	Metho	d of ass	essment	written examination (approx. 90 minutes)									
			- <u>.</u> .		Language of assessment: German and/or English								
		orerequi		Regular attendance of practical course (as specified at the beginning of the course).									
08-MBC-CTE-212- mo1	Current Topics in Ethics and Theory of Science												
	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	25		O (3) Module taught in: German and/or English									
	Metho	d of ass	essment										
				b) term paper (8 to 12 pages) or									
				c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or									
				e) presentation (20 to 40 minutes)									
						German and/or Engl							
				Assessment offered: Once a year, summer term									
		pants ar of place		Bioch	Biochemie (Biochemistry), Master's: 30 places.								
	cation		5	Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject se- mesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become availa- ble.									
	Additi	onal Info	rmation	Regul	ar participation in th	ie exercises (at least	80% attendance) is a prerequi	site for particip	ation in the exam.				

08-MBC-BE-212-	Ethic	Ethics of the Life Sciences										
m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	ses	•		V(2) + S(1)							
				Module taught in: German or English								
	Meth	od of ass	essment			pprox. 45 to 90 minut	es) or					
					m paper (8 to 12 page		to an minutas) or					
				c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or								
				e) pre	e) presentation (20 to 40 minutes) Language of assessment: German and/or English							
					Assessment offered: Once a year, winter term							
		ional Info		Regul	egular participation in the exercises (at least 80% attendance) is a prerequisite for participation in the exam.							
08-MBC-		ature sem			r							
LIT3b-212-m01	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Cours	ses		S (2) Module taught in: German or English								
	Meth	od of ass	essment	presentation (20 to 40 minutes) Language of assessment: German and/or English								
				•			ish					
		prerequi		May n	ot be combined wit	h o8-MBC-LIT3						
08-MBC-WR1-152-		tific lectu										
m01	ECTS	5	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Cours		<u>.</u>	T (o)								
	Meth	od of asso	essment	Preparing and supervising study groups, wrap-up report (approx. 2 pages) Language of assessment: German and/or English								
o8-MBC-	Assis	tance in p	oractical o	courses	51							
AWA1-152-m01	ECTS	5	Duration	า	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Cours	ses	-	Τ (0)								
	Meth	od of asso	essment	Prepa Langu	ring and supervising and supervising and supervision and supervision and supervision and supervision and superv	g student lab courses : German and/or Engl	, wrap-up report (approx. 1 pag ish	ge)				
08-MBC-LIT3-152-	Litera	ature sem	inar 3									
m01	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Cours	ses		S (2) Module taught in: German or English								
	Meth	od of ass	essment		ntation (20 to 40 mi							
				Language of assessment: German and/or English								

Thesis Area (30 EC	Thesis Area (30 ECTS credits)										
08-MBC-MA-152-	Master-Thesis										
m01	ECTS	25	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			No co	No courses assigned to module						
	Method	d of asse	essment	Maste Langu	Master's thesis (approx. 6o pages) Language of assessment: German or English						
	Additio	nal Info	rmation	Time	Time to complete: 6 months.						
08-MBC-KOLL-152-	Final Co	olloquiu	m								
m01	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Courses			K (o)	K (o)						
	Method of assessment			final o Langu	final colloquium (approx. 45 minutes) Language of assessment: German and/or English						