

Annex SFB

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

Responsible: Faculty of Medicine Examination regulations version: 2015
Responsible: Faculty of Biology Examination regulations version: 2015

Abbreviations used: Course types: **E** = field trip, **K** = colloquium, **O** = conversatorium, **P** = placement/lab course, **R** = project, **S** = seminar, **T** = tutorial, **Ü** = exercise, **V**

= lecture

Term: **SS** = summer semester, **WS** = winter semester

Methods of grading: NUM = numerical grade, B/NB = (not) successfully completed

Regulations: (L)ASPO = general academic and examination regulations (for teaching-degree programmes), FSB = subject-specific provisions, SFB

= list of modules

Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, VL = prerequisite(s)

Conventions for the Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not cre-

modules 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:

ASP02015

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

22-Jul-2015 (2015-35) except for mandatory electives 03-98-PZB1-172, 03-98-PZB2-172, 03-98-PZB3-172, 08-BGV-171 in Fast Track procedure at a later time

06-Dec-2017 (2017-70)

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	D	uration	(in semesters)	Method of grading	Mo	odule level			
	Courses		To be spe	o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y						
	Method of as	ssessmer	nt							
	Only after su completion of		if applica	fapplicable						
	Other prereq	uisites	if applica	if applicable						
	Participants and allocation of places		ati- if applica	if applicable						
	Additional information		n if applica	if applicable						
	Referred to in LPO I		if applica	ble (examination i	regulations for teaching-	degree programmes)				

Compulsory Cours	ses (110 ECTS cro	edits)									
Modules Biology (20 ECTS credits)									
07-ZE-	Basics of Biol	ogy - From	Cells	to Organisms							
ORG-152-m01	ECTS 7	Duratio	n 1 semester		Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (1.5)	V (1.5) + V (1.5) + V (2) + Ü (3)							
	Method of ass	Method of assessment		written examination (approx. 60 minutes) creditable for bonus							
	other prerequ	isites		Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.							
07-PHYORG-152-	Physiology of	Organism	ıs				,				
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	V (1) +	- V (1) + V (1) + Ü (2)			,				
	Method of ass	sessment		n examination (appr able for bonus	rox. 60 minutes)						
	other prerequ	isites		Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.							
07-GE-	Genetics and Neurobiology										
NEU-152-m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (2) -	+ Ü (1.5)			<u>^</u>				
	Method of ass	sessment	written examination (60 to 90 minutes) creditable for bonus								
	other prerequ	isites					ce of exercises (minimun sites for admission to ass	n 80%) and successful completisessment.			
07-3A3EBIO-	Developmenta	al Biology	of Anir	nals			·				
Tl-152-m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V (1) +	- Ü (3)							
	Method of ass	Method of assessment		written examination (approx. 60 minutes) creditable for bonus							
	other prerequ	isites		Admission prerequisite to assessment: exercises. Regular attendance (minimum 80%) and successful completion of exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.							
	Referred to in	LPO I	§ 61 l	Nr. 5							

Modules Chemisti	ry (12 ECTS credits)										
08-CH-BM-152-	General Chemistry for	Students of Biomedicine									
mo1	ECTS 8 Duration		Method of grading numerical grade	Modul level	undergraduate						
	Courses	V (2) + V (2) + P (5)									
	Method of assessment		rox. 120 minutes) and assessment of practical								
			eriment oral exams; approx. 15 minutes each) a e a year, summer semester	and log (approx. 3 to	5 pages)						
08-OC-BM-152-	Advanced Organic Che	mistry for Students of Biom	-								
mo1	ECTS 4 Duration		Method of grading numerical grade	Modul level	undergraduate						
	Courses	V (3)	5 6								
	Method of assessment	a) written examination (9									
			e candidate each (approx. 20 minutes) or								
	/ TCTC 11/1)	c) oral examination in gro	ups (approx. 30 minutes)								
Modules Physics (
11-EFNF-152-m01		for Students of other Disc			·						
	ECTS 7 Duration		Method of grading numerical grade	Modul level	undergraduate						
	Courses	V (4) + V (3)									
		written examination (60 t		und latter d\ am d Na	I set letter d) of announce to the						
	Additional Information		according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter d) and No. I 1st letter d) of annex 1 to the APOLmCh and No. 4 of annex 2 to the APOLmCh								
		Qualification goal: scientific competences									
11-PFNF-152-m01	Laboratory Course Phy	Laboratory Course Physics for Students of other Disciplines									
	ECTS 3 Duration 1 semester Method of grading (not) successfully completed Modul level undergraduate										
	Courses	P (4)									
	Method of assessment		rith oral test (approx. 15 minutes, during experi	ments) and b) writte	n examination (approx. 90 minu-						
		tes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each									
		be repeated once.	es preparation, performance and evaluation.	est as well as perior	mance of experiments can each						
	Participants and allo-	Only as part of pool of ge	neral transferable skills (ASQ): 10 places (lotter	у)							
	cation of places										
	Additional Information	according to § 2 para. 2 s APOLmCh and No. 4 of an	entence 2 APOLmCh in conjunction with No. I 2	nd letter d) and No.	I 1st letter d) of annex 1 to the						
		Qualification goal: scient									
Modules Mathema	atics/Statistics (5 ECTS o		• 								
10-M-STAB-152-		of natural sciences and bio	omedicine								
mo1	ECTS 5 Duration		Method of grading numerical grade	Modul level	undergraduate						
	Courses	V (2) + Ü (2)	1	133.12.00	1 0						
		written examination (90 t	o 120 minutes)								
Bachelor's with 1 major		<u> </u>	JMU Würzburg • generated o2-	Aug-2025 • exam, reg. data	record 82 300 - - H 2015 page 4 / 21						
			,								

Modules Biochemi	stry and	Molec	ular Biolo	gy (20	ECTS credits)						
03-98-BCH-152-	Basic B	iochen	nistry and	Molec	ular Biology						
mo1	ECTS	10	Duratio	1	2 semester	Method of grading	numerical grade	Modul l	evel	undergraduate	
	Course	S		V (5) ·	+ S (4) + Ü (4)						
	Method	d of ass	sessment		written examination (45 to 90 minutes) creditable for bonus						
	other p	rerequ	isites	Admi	Admission prerequisite to assessment: presentations.						
03-98-BCHF-152-	Advanced Biochemistry and Molecular Biology										
mo1	ECTS	10	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul l	evel	undergraduate	
	Courses				+ S (1) + Ü (6) lle taught in: Germ	an and/or English				,	
	Method of assessment			If ann of one didate	vritten examination (60 to 90 minutes) f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per canlidate). Ireditable for bonus						
	other p	rerequ	isites	Admi	ssion prerequisite	to assessment: prese	ntations.	,			
Modules Anatomy	and Path	nology	(15 ECTS o	redits							
03-98-ANA-1-152-	Anatomy and Cell Biology										
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul l	evel	undergraduate	
	Course	S	•	V (3) ·	V (3) + S (2) + Ü (2)						
	Method	d of ass	sessment		written examination (60 to 90 minutes) Assessment offered: Once a year, winter semester						
03-98-ANA-2-152-	Histolo	gy						1			
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul l	evel	undergraduate	
	Course	S		V (1) -	+ P (5)			•			
	Method	d of ass	sessment		written examination (approx. 60 minutes) and assessment of practical skills (approx. 60 minutes), weighted 1:2 Assessment offered: Once a year, summer semester						
03-98-APA-152-	Genera	l Patho	ology		,						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul l	evel	undergraduate	
	Course	S		V (3) ·	V (3) + P (1)						
	Method	d of ass	sessment	writte	written examination (60 to 90 minutes) and successful completion of practical exercises (ungraded)						

Modules Physiolog	gy (10 EC	TS cred	its)								
03-98-PHY1-152-	Human	Physio	logy 1								
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S	•	V (3) ·	+ Ü (2)	<u> </u>	•				
	Method	d of asse	essment		vritten examination (approx. 60 minutes) Assessment offered: Once a year, winter semester						
03-98-PHY2-152-	Human Physiology 2										
mo1	ECTS	5	Duratio	1	1 semester	undergraduate					
	Course	<u> </u>	·	V (3) ·	+ Ü (2)	•					
	Method of assessment					orox. 60 minutes) ce a year, summer semester					
Modules Pharmaco	logy and	d Toxico	logy (5 E	CTS cr	edits)						
03-98-APT-152-	Pharmacology and Toxicology										
mo1	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	s	•	V (5)	•	•					
	\/:		41	of one didat	f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate).						
Modules Microbiol											
03-98-MVI-152-	General Microbiology, Virology, Immunology										
mo1	ECTS 5 Duratio				1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course		_		V (1.5) + V (1.5) + V (1.5)						
	Method	d of asse	essment	written examination (approx. 90 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per didate).							
Modules Advanced	Lab Cou	ırse (8 E	CTS cred	its)							
03-98-IPP-152-m01	Project	Work ir	ı a Resea	rch La	boratory						
	ECTS	8	Duratio	1	1 semester	Method of grading (not) successfully compl	eted Modul level	undergraduate			
	Courses		R (12) Modu	lle taught in: Germa	ın/English						
	Method	d of asse	essment	presentation (20 to 30 minutes) as well as log (10 to 15 pages) or, where applicable, project proposal (approx. 5 pages) Language of assessment: German or English							
	other p	rerequis			<u> </u>	ee programme coordinator required.					
	Additional Information			Additional information on module duration: 6 to 8 weeks.							

Compulsory Electi	ves (35 ECTS	credits)									
Compulsory Electi	ves Cell Biol	ogy, Genetic	s and N	leurobiology (10 ECT	'S credits)						
03-98-PZB-152-	Cell Biolog	y									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		P (5) Modu	P (5) + S (1) Module taught in: German/English							
		assessment	b) log c) ora d) ora e) pre Stude	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Additional information on module duration: 2 weeks, full time							
o BCII				Additional information on module duration: 2 weeks, full time.							
03-98-PGH-152- m01				d Human Genetics							
		5 Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			+ Ü (3)							
	Method of	assessment	prox. Each	written examination (30 to 90 minutes) and successful completion of exercises (ungraded), oral test during experiments (approx. 15 minutes) and written examination (90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.							
03-98-PGN-152-	Introduction to Neurobiology										
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			(2) + S (3) Course type: S might be offered in Ü format							
	Method of	assessment	writte	en examination (90 n	ninutes) and success	ful completion of ser	minar/exercise				
07-BI-152-m01	Introduction	n to Bioinfor	rmatics	;			,				
	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	۷ (٥.ب	5) + Ü (4)			•				
	Method of	assessment	b) log c) ora d) ora e) pre	al examination in gro esentation (20 to 30	e candidate each (20 oups of up to 3 candid minutes)	lates (approx. 20 mii	nutes per candidate) or t at the beginning of the c	course.			

03-98-PZB1-172-	Cell Biolog	gy - Focus sig	nal transduction and sto	em cells	,				
mo1	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	,	P (5) + S (1) Module taught in: Gerr	man/English	,				
	Method of	assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prer	equisites	May not be combined	with 03-98-PZB2 or 03-98-PZB3.					
	Participan cation of p	ts and allo- places	Biomedizin (Biomedici	ine) Bachelor's: 18 places.					
	Additiona	Information	Additional information	on module duration: 2 weeks, full time.					
03-98-PZB2-172-	Cell Biolog	gy - Focus cyto	oskeleton and microsco	pic imaging					
mo1	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		P (5) + S (1) Module taught in: German/English						
	Method of	assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prer	equisites	May not be combined	with 03-98-PZB1 or 03-98-PZB3.					
	Participan cation of p	ts and allo- places	Biomedizin (Biomedicine) Bachelor's: 8 places.						
	Additiona	Information	Additional information on module duration: 2 weeks, full time.						
03-98-PZB3-172-	Cell Biolog	gy - Focus imn	nunology						
mo1	ECTS 5	Duratio	n 1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	_	P (5) + S (1) Module taught in: German/English						
	Method of	assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prer	equisites		with 03-98-PZB1 or 03-98-PZB2.					
		ts and allo-	Biomedizin (Biomedicine) Bachelor's: 12 places.						
	Additiona	Information	Additional information on module duration: 2 weeks, full time.						

Compulsory Electiv	es Micr	obiolog	y, Virolog	y and	Immunology (10 ECT	S credits)					
03-98-PIV-152-m01	Practio	al Cour	se in Imm	unolog	gy and Virology						
	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	!S		P (5) · Modu	+ S (1) Ile taught in: Germa	n/English					
				b) log c) ora d) ora e) pre Stude	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
						n module duration: 2	weeks, full time.				
03-98-PMIB-152-		al Cour	se in Mole	ecular	Infection Biology	_					
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	!S			P (5) + S (1) Module taught in: German/English						
	Method of assessment			b) log c) ora d) ora e) pre Stude	b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	Additional Information			Additional information on module duration: 2 weeks, full time.							
03-98-PMBM-152-	Practical Course in Molecular Bacteriology and Mycology										
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	!S		S (1) + P (5) Module taught in: German/English							
	Method of assessment			a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English							
	Additio	onal Info	rmation	Addit	ional information or	n module duration: 2	weeks, full time.				

03-98-PMP-152-	Practical	Course in Para	asitology									
mo1	ECTS 5	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses	•	S (1) + P (5)			·	•					
			Module taught in: Ger	man/English			_					
	Method o	fassessment		a) written examination (45 to 90 minutes) or								
			b) log (10 to 20 pages)									
			c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.									
			Language of assessment: German or English									
	Additiona	l Information	Additional information	n on module duration: 2 v	reeks, full time.							
Advanced Comput	sory Electiv	es (15 ECTS cr	edits)									
			reas "Zellbiologie, Gene	etik und Neurobiologie" ('	Cell Biology, Genetic	s and Neurobiology") an	d "Infektiologie und Immunolo-					
gie" ("Infection an	d Immunity	").										
03-98-PPT-152-	Practical	Practical Course in Pharmacology and Toxicology										
mo1	ECTS 5	Duratio	n 1 semester	Method of grading	numerical grade	Modul level	undergraduate					
	Courses		P(3) + S(1)									
			Module taught in: German/English									
	Method o	fassessment	presentation of practical work (approx. 30 minutes) and application (preparing a scientific publication; approx. 1.5 hours),									
0 DDC	weighted 7:3 Pathophysiology and Pathobiochemistry											
03-98-PPC-152- mo1					• 1 1							
11101	ECTS 5	Duratio		Method of grading	numerical grade	Modul level	undergraduate					
	Courses		V (3) + V (1)	man/Fnalish								
	0.4 (1 1	<u> </u>	Module taught in: Ger									
	Method o	f assessment	a) written examination	1 (45 to 90 minutes) or								
			b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or									
			d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or									
			e) presentation (20 to 30 minutes)									
			Students will be informed about the type and length of assessment at the beginning of the course.									
				Language of assessment: German or English								

03-98-RVZ-152-	Introdu	ction to	Methods	in Exp	perimental Biomedi	cine					
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		P (6)		·	•				
		1		Modu	le taught in: Germa	n/English					
	Method	d of ass			tten examination (4						
				b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or							
					sentation (20 to 30		or currandate) or				
					Students will be informed about the type and length of assessment at the beginning of the course.						
						: German or English					
						n module duration: 2 weeks, full time.					
03-98-PF2-152-					arch Laboratory						
mo1	ECTS 5 Duratio				1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses			P (6) Module taught in: German/English							
								_			
		Method of assessment			practical assignment with presentation (approx. 10 minutes) and log (approx. 10 pages) Language of assessment: German or English						
	Additional Information			Additional information on module duration: 3 to 4 weeks, full time.							
03-98-PZB1-172-		ology - I		al transduction and stem cells							
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Course	S		P (5) - Modu	- S (1) le taught in: Germa	n/English					
	Method	d of ass	essment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes)							
				Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English							
	other p	rerequi	sites	May r	ot be combined wit	h o3-98-PZB2 or o3-98-PZB3.					
		oants ar	nd allo- es	Biomedizin (Biomedicine) Bachelor's: 18 places.							
	Additio	nal Info	rmation	Addit	ional information or	n module duration: 2 weeks, full time.					

Cell Biology	y - Focus cyt	oskele	ton and microscopic	imaging		,			
ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
Courses				n/English					
Method of a	assessment	b) ora	b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
other prere	quisites	May r	ot be combined wit	h 03-98-PZB1 or 03-9	8-PZB3.				
		Biom	edizin (Biomedicine)	Bachelor's: 8 place	S.				
Additional I	nformation	Addit	ional information on	module duration: 2	weeks, full time.				
Cell Biology	y - Focus imr	munolo	gy			,			
ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
Courses			Module taught in: German/English						
Method of a	assessment	b) ora	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
other prere	quisites	May r	not be combined wit	h 03-98-PZB1 or 03-9	8-PZB2.				
		Biom	Biomedizin (Biomedicine) Bachelor's: 12 places.						
Additional I	nformation	Addit	Additional information on module duration: 2 weeks, full time.						
Cell Biology	/								
ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
Courses			P (5) + S (1) Module taught in: German/English						
		b) log c) ora d) ora e) pre Stude	b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	ECTS 5 Courses Method of a other prerection of pl Additional I Cell Biology ECTS 5 Courses Method of a other prerection of pl Additional I Cell Biology ECTS 5 Courses Method of a other prerection of pl Additional I Cell Biology ECTS 5 Courses Method of a other prerection of pl Additional I Cell Biology ECTS 5 Courses	ECTS 5 Duration Courses Method of assessment other prerequisites Participants and allocation of places Additional Information Cell Biology - Focus immediates Courses Method of assessment other prerequisites Participants and allocation of places Additional Information Cell Biology ECTS 5 Duration Cell Biology ECTS 5 Duration Courses Method of assessment	ECTS 5 Duration Courses P(5) - Modu Method of assessment a) wri b) ora Stude Langu other prerequisites May r Participants and allocation of places Additional Information Addit Cell Biology - Focus immunolo ECTS 5 Duration Courses P(5) - Modu Method of assessment a) wri b) ora Stude Langu other prerequisites May r Participants and allocation of places Additional Information Addit Cell Biology ECTS 5 Duration Courses Participants and allocation of places Additional Information Addit Cell Biology ECTS 5 Duration Courses Additional Information Addit Cell Biology ECTS 5 Duration Courses Section Section Additional Additional Information Additional Additional Additional Additional Section	Courses P (5) + S (1) Module taught in: German a) written examination (4) b) oral examination of one Students will be informed Language of assessment: Other prerequisites May not be combined with Biomedizin (Biomedicine) cation of places Additional Information Additional information on Cell Biology - Focus immunology ECTS 5 Duration 1 semester Courses P (5) + S (1) Module taught in: German a) written examination (4) b) oral examination of one Students will be informed Language of assessment: Other prerequisites May not be combined with Biomedizin (Biomedicine) cation of places Additional Information Additional information on Cell Biology ECTS 5 Duration 1 semester Courses P (5) + S (1) Module taught in: German and Additional information on Cell Biology ECTS 5 Duration 1 semester Courses P (5) + S (1) Module taught in: German a) written examination (4) b) log (10 to 20 pages) or c) oral examination of one of oral examination (4) oral examination in groe of presentation (20 to 30 Students will be informed by presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presentation (20 to 30 Students will be informed by the presen	Courses	ECTS 5 Duration 1 semester Method of grading numerical grade	Courses		

03-98-PGH-152-	Intro	duction to	Genetics	and F	luman Genetics						
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cour	ses		V (2) ·	+ Ü (3)						
	Meth	od of ass	essment	prox. Each	written examination (30 to 90 minutes) and successful completion of exercises (ungraded), oral test during experiments (approx. 15 minutes) and written examination (90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.						
03-98-PGN-152-	Intro	duction to	Neurobi	eurobiology							
mo1	ECTS 5 Duration		1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Cour	ses			(2) + S (3) Course type: S might be offered in Ü format						
	Meth	od of ass	essment written examination (90 minutes) and successful completion of seminar/exercise								
07-BI-152-m01	Intro	duction to	Bioinfor	matics	tics						
	ECTS 5 Duration			า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cour	ses		V (o.5) + Ü (4)						
	Method of assessment			b) log c) ora d) ora e) pre	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
03-98-PIV-152-m01	Pract	ical Cour	se in Imm	unolog	gy and Virology						
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Cour	ses		P (5) + S (1) Module taught in: German/English							
		od of ass		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.							
	Addit	Additional Information			ional information on	module duration: 2	weeks, full time.				

03-98-PMIB-152-	Practical Course in Molecular Infection Biology											
mo1	ECTS 5 Duration		1 semes	ter	Method of grading numerical grade	Modul le	vel undergraduate					
	Course	S	·	P (5) + S (1)		/F 1: 1	,					
				Module taught								
	Method	of ass	essment	a) written exam b) log (10 to 20		45 to 90 minutes) or						
				c) oral examina	tion of on	le candidate each (20 to 30 minutes) or						
				d) oral examina	ation in gr	oups of up to 3 candidates (approx. 20 m	ninutes per candidate)	or				
				e) presentation	ı (20 to 30 o informo	ominutes) d about the type and length of assessme	nt at the beginning of	ho course				
	Additio	nal Info	ormation			n module duration: 2 weeks, full time.	The at the beginning of	The Course.				
03-98-PMBM-152-				cular Bacteriol			,					
mo1		5	Duration			Method of grading numerical grade	Modul le	vel undergraduate				
	Course			S (1) + P (5)			,					
				Module taught								
	Method	d of ass	essment	a) written examination (45 to 90 minutes) or								
				b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or								
				d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or								
				e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English								
	Additio	nal Info	ormation	Additional information on module duration: 2 weeks, full time.								
03-98-PMP-152-	Practic	al Cour	se in Para	sitology								
mo1	ECTS	5	Duratio	1 semes	ter	Method of grading numerical grade	Modul le	vel undergraduate				
	Course	s 		S (1) + P (5) Module taught	in: Germa	ın/English						
	Method	d of ass	essment	a) written examination (45 to 90 minutes) or								
				b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or								
				d) oral examination of one candidate each (20 to 30 minutes) of d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or								
				e) presentation (20 to 30 minutes)								
				Students will b	e informe	d about the type and length of assessme :: German or English	nt at the beginning of	he course.				
	Additio	nal Info	ormation			n module duration: 2 weeks, full time.						
	Additio	nat iiiit	Jillatioli	Auditional IIII0								

08-BGV-171-m01	Imagir	Imaging methods in life-sciences											
	ECTS 5 Duration 1 semester Method of grading numerical grade Modul level undergraduate								undergraduate				
	Course	es		V (2) + S (1)									
				a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English Assessment offered: Once a year, winter semester									
	Participants and allocation of places Biochemie (Biochemistry) Bachelor's: 25 places.												

Key Skills Area (20 ECTS credits)

General Key Skills (5 ECTS credits)

In the area of general transferable skills, students may choose from the modules offered as part of the pool of general transferable skills (ASQ) of the University of Würzburg.

Subject-specific Key Skills (15 ECTS credits) 03-98-FSQ-**Genetic Engineering and Biosafety** GEN-152-mo1 ECTS Method of grading (not) successfully completed Duration 1 semester Modul level undergraduate V (1) Courses Method of assessment a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Additional Information Students MUST take this module. 03-98-FSQ-**Laboratory Animal Sciences 1** VTK1-152-mo1 ECTS 2 Method of grading (not) successfully completed Duration 1 semester Modul level undergraduate V (2) Courses Method of assessment | written examination (approx. 90 minutes) 03-98-FSQ-**Laboratory Animal Sciences 2** VTK2-152-mo1 ECTS 3 Method of grading (not) successfully completed Modul level undergraduate Duration 1 semester V(2) + P(1)Courses Method of assessment | written examination (approx. 90 minutes) Equivalent to animal welfare qualification (GV-SOLAS (Society of Laboratory Animals) / FELASA category B). Additional Information

03-KFE-02a-152-	Biometry I										
mo1	ECTS 3 Duration		n	1 semester	Method of grading (not) successfully completed Modul level graduate						
	Courses			V (1) +	- S (1) + Ü (1)						
	Method of assessment										
03-98-FSQ-	Selected	d Cours	es from E		and Medicine 1						
MB1-152-m01		1	Duration		1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Courses			V (1)							
	Method of assessment			a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.							
	other pr	erequis	ites	May not be combined with 03-98-FSQ-MB2/3/4.							
03-98-FSQ-		d Cours	es from E	Biology and Medicine 2							
MB2-152-m01	ECTS 2 Duration			1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses			V (2)							
	b) c) d) e)			b) log c) ora d) ora e) pre Stude	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	other pr	•			May not be combined with 03-98-FSQ-MB1/3/4.						
03-98-FSQ-					iology and Medicine 3						
MB3-152-m01		3	Duration		1 semester	Method of grading (not) successfully completed Modul level undergraduate					
	Courses			V (3)							
	b c d e S			a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. May not be combined with 03-98-FSQ-MB1/2/4.							

03-98-FSQ-	Selected Courses from Biology and Medicine 4												
MB4-152-mo1	ECTS 4	Duration	1 se	mester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Courses		V (4)										
	Method of asses				45 to 90 minutes) or								
			b) log (10 t	to 20 pages) o	r								
					ne candidate each (20		candidato) or						
			d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes)										
				Students will be informed about the type and length of assessment at the beginning of the course.									
	other prerequisit	tes	May not be	e combined wi	th 03-98-FSQ-MB1/2/	3.							
03-98-FSQ-	Selected Courses	Selected Courses from other Faculties with a Biomedical Focus 1											
AF1-152-m01	ECTS 1	Duration		emester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Courses		V (1)										
	Method of asses	sment	a) written	examination (2	45 to 90 minutes) or								
			b) log (10 t	to 20 pages) o	r ne candidate each (20	to an minutes) or							
							candidate) or						
			d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes)										
			Students will be informed about the type and length of assessment at the beginning of the course.										
	other prerequisit	tes	May not be combined with 03-98-FSQ-AF2/3/4.										
03-98-FSQ-	Selected Courses from other Faculties with a Biomedical Focus 2												
AF2-152-m01	ECTS 2	Duration		emester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Courses		V (2)										
	Method of asses				45 to 90 minutes) or								
			b) log (10 to 20 pages) or										
			c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or										
				e) presentation (20 to 30 minutes)									
						ength of assessment at the be	ginning of the c	ourse.					
	other prerequisit	tes	May not be	e combined wi	th 03-98-FSQ-AF1/3/4								
03-98-FSQ-		s from o	ther Faculties with a Biomedical Focus 3										
AF3-152-mo1	ECTS 3	Duration		emester	Method of grading	(not) successfully completed	Modul level	undergraduate					
	Courses		V (3)										
	Method of asses	sment	a) written examination (45 to 90 minutes) or										
			b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or										
						to 30 minutes) of dates (approx. 20 minutes per (candidate) or						
				ation (20 to 30		autes (approx. 20 minutes per	carraraate) or						
			Students v	vill be informe	d about the type and	ength of assessment at the be	ginning of the c	ourse.					
	other prerequisit	tes	May not be	e combined wi	th 03-98-FSQ-AF1/2/4								

03-98-FSQ-	Selected Courses from other Faculties with a Biomedical Focus 4										
AF4-152-mo1	ECTS 4 Duratio										
	Courses	7 (4)									
	Method of assessment	a) written examination (45 to 90 minutes) or									
		b) log (10 to 20 pages) or									
		c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or									
		e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.									
	other prerequisites	May not be combined with 03-98-FSQ-AF1/3/4.									
03-98-FSQ-	Supervising Tutorials 1										
TUT1-152-m01	ECTS 2 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	T (2)									
	Method of assessment	Log (2 to 3 pages)									
	other prerequisites	May not be combined with 03-98-FSQ-TUT3.									
03-98-FSQ-	Supervising Tutorials 2										
TUT2-152-m01	ECTS 3 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	Τ(3)									
	Method of assessment	Log (2 to 3 pages)									
	other prerequisites	May not be combined with o3-98-FSQ-TUT3.									
03-98-FSQ-	Supervising Tutorials 3										
TUT3-152-m01	ECTS 4 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	T (4)									
	Method of assessment										
	other prerequisites	May be combined neither with 03-98-FSQ-TUT1 nor with 03-98-FSQ-TUT2.									
03-98-FSQ-	Journal Club 1										
LIT1-152-m01	ECTS 2 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate									
	Courses	S (1)									
		Module taught in: German/English									
	Method of assessment	presentation (approx. 15 minutes)									
0.500	1 1 1 1	Language of assessment: German or English									
03-98-FSQ- LIT2-152-m01	Journal Club 2										
112-152-11101	ECTS 2 Duratio										
	Courses	S (1) Module taught in: German/English									
	Method of assessment	presentation (approx. 15 minutes)									
	wiethou of assessifient	Language of assessment: German or English									
		- OO									

03-98-FSQ-	Excursion 1										
EXK1-152-m01	ECTS 1	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses		E (1)								
	Method of asse	essment	repor	(1 to 2 pages)							
	other prerequis	ites	Prior	approval from degree	ee programme coordinator required.						
03-98-FSQ-	Excursion 2										
EXK2-152-m01	ECTS 1	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses		E (1)								
	Method of asse	essment		(1 to 2 pages)							
	other prerequis	ites	Prior	approval from degree	ee programme coordinator required.						
03-98-FSQ-	Orientational L	aborator	y cour	se							
F2PR-152-m01	ECTS 2	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses		P (2)								
	Method of asse	essment	Log (5 to 10 pages)								
	Additional Info	rmation	Additional information on module duration: 2 weeks								
03-98-FSQ-	Laboratory Course in Biomedical Research 1										
F2PR1-152-m01	ECTS 3 Duratio		n	1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses		P (4)								
	Method of asse	essment	Log (5 to 10 pages)								
	other prerequis	ites	May be combined neither with 03-98-FSQ-F2PR2 nor with 03-98-FSQ-F2PR3.								
	Additional Info	rmation	Additional information on module duration: 2 weeks, full time.								
03-98-FSQ-	Laboratory Course in Biomedical Research 2										
F2PR2-152-m01	ECTS 4	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate						
	Courses		P (6)								
	Method of asse	essment	Log (10 to 15 pages) and talk (approx. 10 minutes)								
	other prerequis	ites	May be combined neither with 03-98-FSQ-F2PR1 nor with 03-98-FSQ-F2PR3.								
	Additional Information		Additional information on module duration: 3 weeks, full time.								
03-98-FSQ-	Laboratory Cou	rse in Bi	omedical Research 3								
F2PR3-152-m01	ECTS 5	Duratio	n 1 semester		Method of grading (not) successfully completed Modul level undergraduate						
	Courses		P (8)	P (8)							
	Method of asse	essment	Log (1	o to 15 pages) and t	talk (approx. 10 minutes)						
	other prerequis	ites	May b	e combined neither	r with 03-98-FSQ-F2PR1 nor with 03-98-FSQ-F2PR2.						
	Additional Info	rmation	Addit	onal information on	n module duration: 4 weeks, full time.						

Intercultural Competence												
ECTS	3	Duration		1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
Course	S		S (3)	-			,					
Method	d of ass	essment										
						aces (approx. 20 minutes per	candidate) of					
			Stude	ents will be inform	ed about the type and l	ength of assessment at the be	ginning of the o	course.				
Bioscience Lectures 1												
ECTS	1	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
Course	S	•	V (1) Modu	le taught in: Germ	nan/English							
Method	d of ass	essment	Succe	essful completion	as certified by the lectu	rer						
other p	rerequi	isites	Pleas	e consult with deg	gree programme coordir	nator in advance.						
Bioscie	nce Le	ctures 2										
ECTS	1	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
Course	S		V (1) Module taught in: German/English									
Method	d of ass	essment	Successful completion as certified by the lecturer									
other p	rerequi	isites	Please consult with degree programme coordinator in advance.									
Personal Skills in Science												
ECTS 2 Duratio			1 semester Method of grading (not) successfully completed Modul level undergraduate									
Course	S		V (2)									
Method	d of ass	essment										
			b) log (10 to 20 pages) or									
						ength of assessment at the be	ginning of the o	course.				
Person	al Skill	s in Scien	ce									
ECTS	3	Duratio	<u> </u>	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate				
Course	S		V (3)									
Method	d of ass	essment	a) written examination (45 to 90 minutes) or									
			b) log (10 to 20 pages) or									
							aandidata) ar					
						iales (approx. 20 minutes per o	candidate) or					
			Students will be informed about the type and length of assessment at the beginning of the course.									
	Bioscie ECTS Course Method other p Bioscie ECTS Course Method other p Person ECTS Course Method other p	Bioscience Lee ECTS 1 Courses Method of assorther prerequifications Method of assorther preference preferen	ECTS 3 Duration Courses Method of assessment ECTS 1 Duration Courses Method of assessment other prerequisites Bioscience Lectures 2 ECTS 1 Duration Courses Method of assessment other prerequisites Personal Skills in Science ECTS 2 Duration Courses Method of assessment other prerequisites Personal Skills in Science ECTS 2 Duration Courses Method of assessment Courses Method of assessment	ECTS 3 Duration Courses S (3) Method of assessment b) log c) ora d) ora e) present other prerequisites Pleas Bioscience Lectures 2 ECTS 1 Duration Courses V(1) Modu Method of assessment Succestory Other prerequisites Pleas Bioscience Lectures 2 ECTS 1 Duration Courses V(1) Modu Method of assessment Succestory Other prerequisites Pleas Personal Skills in Science ECTS 2 Duration Courses V(2) Method of assessment a) write b) log c) ora d) ora e) present Stude Personal Skills in Science ECTS 3 Duration Courses V(3) Method of assessment a) write b) log c) ora d) ora e) present Stude Personal Skills in Science ECTS 3 Duration Courses V(3) Method of assessment a) write b) log c) ora d) ora e) present Stude Personal Skills in Science ECTS 3 Duration Courses V(3) Method of assessment a) write b) log c) ora d) ora e) present Stude Personal Skills in Science ECTS 3 Duration Courses V(3)	Courses	Courses	ECTS 3 Duration 1 semester Method of grading (not) successfully completed	Courses S (3)				

Thesis (15 ECTS credits)											
03-98-TH-152-m01	Bachelor Thesis Biomedicine										
	ECTS	Modul level	undergraduate								
	Courses No courses assigned to module Module taught in: German/English										
	Method	d of asse	essment	written thesis (20 to 40 pages) Language of assessment: German or English							
	Additio	nal Info	rmation	Time t	o complete: 10 week	(S.					
03-98-TK-152-m01	Colloqu	uium						'			
	ECTS	3	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		K (o) Module taught in: German/English							
Method of assessment oral examination of one candidate each (20 to 30 minutes) Language of assessment: German or English											