

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: 2013
Responsible: Faculty of Biology Examination regulations version: 2013

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 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:

ASPO2009

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

23-Sep-2013 (2013-111)

This module handbook seeks to render, as accurately as possible, the data that is of statutory relevance according to the examination regulations of the degree subject. However, only the FSB (subject-specific provisions) and SFB (list of modules) in their officially published versions shall be legally binding. In the case of doubt, the provisions on, in particular, module assessments specified in the FSB/SFB shall prevail.

Every module will be described using the following form:

Abbreviation	Module title									
	ECTS		Duration	(in semesters)	Method of grading		Module level			
	Courses		To be spe	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	ssessm	ent							
	Only after su completion of		ıl if applica	licable						
	Other prereq	uisites	if applica	ble						
	Participants and allocation of places		ocati- if applica	ible						
	Additional information		ion if applica	if applicable						
	Referred to in	n LPO I	if applica	if applicable (examination regulations for teaching-degree programmes)						

Compulsory Course	es (113 ECTS cre	edits)								
Modules Biology (2	20 ECTS credits)								
07-ZE-	Basics of Biolo	ogy - From	Cells	to Organisms						
ORG-132-m01	ECTS 7	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + V	/ + V + V + Ü (no information on SWS (weekly contact hours) and course language available)						
	Method of ass	essment	writte	n examination (appı	rox. 60 minutes)					
	other prerequi	isites		Admission prerequisite to assessment: regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours).						
07-PHYORG-132-	Physiology of	Organism	ıs							
mo1	ECTS 5 Duration		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + V	/ + V + V + Ü (no information on SWS (weekly contact hours) and course language available)						
<u> </u>	Method of ass	essment	writte	n examination (app	rox. 60 minutes)					
	other prerequi	isites		ssion prerequisite to ive exercises (appro		r attendance of exercises	(minimum 80%) and	successful completion of the re-		
07-GE-	Genetics and Neurobiology									
NEU-132-m01	ECTS 4	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of ass	essment	writte	written examination (approx. 60 minutes)						
	other prerequi	isites		Admission prerequisite to assessment: regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours).						
07-3A3EBIO-	Developmenta	al Biology	of Ani	mals						
TI-132-m01	ECTS 4	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + Ü	(no information on S	SWS (weekly contact	hours) and course langua	age available)			
	Method of ass	essment	writte	n examination (appı	rox. 60 minutes)	·	·			
	other prerequi	isites		ssion prerequisite to ive exercises (appro		r attendance of exercises	(minimum 80%) and	successful completion of the re-		

Modules Chemistr	y (12 ECTS credits)								
08-CH-BM-102-	General chemistry for stu	udents of biomedicine							
mo1	ECTS 8 Duration	1 semester Method of grading	numerical grade	Modul level	undergraduate				
	Courses	This module comprises 3 module components • 08-AC-NF-1-102: V (no information on SV • 08-IOC-1-102: V (no information on SWS • 08-CH-BMP-1-102: P (no information on	NS (weekly contact hours) and of (weekly contact hours) and co	course language urse language av	available) vailable)	omponent.			
		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
		Assessment in module component o8-AC-NF-1-102: Introduction to Inorganic Chemistry for Students of Biology, Medicine and Dentistry • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes) Assessment in module component o8-IOC-1-102: Organic Chemistry for students of medicine, biomedicine, dental medicine, engineering and natural science • 3 ECTS, Method of grading: numerical grade • written examination (approx. 60 minutes) Assessment in module component o8-CH-BMP-1-102: Practical chemistry course for students of biomedicine • 2 ECTS, Method of grading: (not) successfully completed • pre/post-experiment examination talks (Vor-/Nachtestate, approx. 15 minutes each), log (approx. 2 to 5 pages) • Assessment offered: once a year, summer semester • Only after successful completion of module components: Successful completion of module component o8-AC-NF-1 or o8-IOC-1 is a prerequisite for participation in module component o8-CH-BMP-1.							
	Participants and allocation of places	Information on the allocation of places will be listed separately for each module component. • 08-CH-BMP-1-102: • 08-AC-NF-1-102: Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot. • 08-IOC-1-102: Only as part of pool of general key skills (ASQ): 15 places. Places will be allocated by lot.							
08-0C-BM-102-	Organic Chemistry 2 for s	students of biomedicine							
mo1	ECTS 4 Duration	1 semester Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V (no information on SWS (weekly contact hou	rs) and course language availal	ole)					
	,	a) 1 to 3 written examinations (1 written examinations: 60 minutes each) or b) of tion in groups (approx. 30 minutes)	nation: approx. 90 minutes; 2 woral examination of one candida	rritten examinati ate each (approx	ions: 60 or 90 minut x. 20 minutes) or c) o	es each; 3 ral examina-			
Modules Physics (10 ECTS credits)								
11-EFNF-072-m01	Introduction to Physics fo	for Students of Non-physics-related Minor Sub	jects						
	ECTS 7 Duration	n 2 semester Method of grading	numerical grade	Modul level	undergraduate				
	Courses	V + V (no information on SWS (weekly contact	hours) and course language ava	ailable)					
	Method of assessment	written examination (approx. 120 minutes)							
	Participants and allo- cation of places	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.							
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11-PFNF-072-m01	Practica	l Cours	se Physic	s for St	udents of Non-phys	ics-related Minor Su	bjects				
	ECTS	3	Duratio	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate		
	Courses						rs) and course language availa				
							ment and b) ungraded written e		prox. 90 minutes)		
	Participa cation o			Only a	Only as part of pool of general key skills (ASQ): 10 places. Places will be allocated by lot.						
Modules Mathema	tics/Statistics (5 ECTS credits)										
10-M-STAB-111-	Statistic	s for s	tudents c	f natu	ral sciences and bio	medicine					
mo1	ECTS 5 Duratio		n	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses			V + Ü	(no information on S	SWS (weekly contact	hours) and course language av	ailable)			
	Method				n examination (90 to		greed upon with the examiner				
	cc (e ta as tu in			corda (e. g. tails a asses turer v in the	Registration for the exercise must be made via SB@home at the beginning of the course or as announced by the lecturer in accordance with the specified registration deadlines. Certain prerequisites must be met to qualify for admission to assessment (e. g. successful completion of a certain percentage of exercises). The lecturer will inform students about the respective deails at the beginning of the course. Registration for the exercise will be considered a declaration of will to seek admission to assessment. If students have obtained the qualification for admission to assessment over the course of the semester, the lecturer will put their registration for assessment into effect. Students who meet all prerequisites will be admitted to assessment in the current or in the subsequent semester. For assessment at a later date, students will have to obtain the qualification for admission to assessment anew and have to register anew, too.						
Modules Biochemi	stry (21 E	CTS cre	edits)								
03-98-BCH-092-	Basic Bi	ochem	istry and	Molec	ular Biology						
mo1	ECTS	11	Duratio		2 semester	Method of grading	_	Modul level	undergraduate		
	Courses			V + S	+ Ü (no information o	on SWS (weekly cont	tact hours) and course language	e available)			
			essment	didate candi	a) written examination (approx. 45 minutes) and 2 presentations (approx. 10 minutes each) or b) oral examination of one caldidate each (approx. 20 minutes) and 2 presentations (approx. 10 minutes each) or c) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and 2 presentations (approx. 10 minutes each), weighted 6:1:1 (written/oral examination: presentation)						
			corda (e. g. tails a asses turer v in the	nce with the specifice successful completion the beginning of the sment. If students how their registration current or in the subsection i	ed registration deadle on of a certain perce ne course. Registration ave obtained the quation for assessment	ines. Certain prerequisites mus ntage of exercises). The lecture on for the exercise will be consi alification for admission to asso into effect. Students who meet For assessment at a later date,	t be met to qua r will inform stu dered a declara essment over th all prerequisite	s announced by the lecturer in aclify for admission to assessment dents about the respective detion of will to seek admission to e course of the semester, the lecs will be admitted to assessment ve to obtain the qualification for			

03-98-BCHF-092-	Advanc	ed Biod	hemistry	and M	olecular Biology						
mo1	ECTS	10	Duratio	1	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses	5		V + S	+ Ü (no informatio	n on SWS (weekly co	ntact hours) and course lar	nguage available)			
	Method	l of ass	essment	tion of amina	f one candidate ea ation in groups of ι	nch (approx. 20 minu up to 3 candidates (a	ites) and presentation (app	rox. 20 minutes) and didate) and presentat	5 to 10 pages) or b) oral examinalog (5 to 10 pages) or c) oral exion (approx. 20 minutes) and log		
	other prerequisites			Admis course	dmission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the ourse.						
Modules Anatomy	(10 ECTS	credits	s)								
03-98-ANA-132-	Anatomy and Histolog										
mo1	ECTS	10	Duratio	า	1 semester	Method of gradin	g numerical grade	Modul level	undergraduate		
	Courses Method of assessment			•	03-98-ANA-1-132:	S + Ü (no information	nts. Information on courses on on SWS (weekly contact I nation on SWS (weekly cont	hours) and course lan	ely for each module component. nguage available) e language available)		
				Asses Asses	sment in module of 5 ECTS, Method of a) written examin Assessment offer Other prerequisite cified at the begin sment in module of 5 ECTS, Method of a) 2 written exam (approx. 20 minus Assessment offer Other prerequisite cified at the begin sment in the begin of the state of the	component 03-98-All grading: numerical ation (approx. 60 to red: once a year, win es: Admission prerectioning of the course. component 03-98-All grading: numerical inations (approx. 60 tes), weighted 1:2 red: once a year, sun es: Admission prerectioning of the course.	NA-1-132: Anatomy and Cell grade 90 minutes) or b) oral examter semester quisite to assessment: regularized with the company of the company o	cessful completion of Biology Anatomy and ination of one candid lar attendance of courgy Histology 1:2 or b) 2 oral examilar attendance of cour	as as specified below. Unless all individual assessments. d Cell Biology date each (approx. 20 minutes) rses (lectures excluded) as spenations of one candidate each		
	other p			By wa	y or exception, add	aitional prerequisite	s are listed in the section of	n assessments.			
Modules Physiolog											
03-98-PHY-092- m01			logy 1+2								
11101		10	Duratio		2 semester		g numerical grade	Modul level	undergraduate		
	Courses				· ·	<u> </u>	y contact hours) and course	e language available)			
						approx. 60 minutes					
	other p	rerequi	sites	Admis cours	•	to assessment: regu	lar attendance of courses (l	lectures excluded) as	specified at the beginning of the		

Modules Pharmac	ology an	d Toxico	ology (7 E	CTS cr	edits)						
03-98-APT-092-	Pharma	acology	and Toxi	cology	,						
mo1	ECTS	7	Duratio	1	2 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + S	(no information o	n SWS (weekly contact	hours) and course language a	available)			
	Method	d of ass	essment	each	a) written examination (approx. 60 minutes) and presentation (approx. 10 minutes) or b) oral examination of one candidate each (approx. 20 minutes) and presentation (approx. 10 minutes) or c) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and presentation (approx. 10 minutes)						
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.						
Modules Microbio	logy, Vir	ology ar	nd Immun	ology	(5 ECTS credits)						
03-98-MVI-092-	Genera	l Micro	biology, V	/irolog	y, Immunology						
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V + V	+ V + V (no information on SWS (weekly contact hours) and course language available)						
	Method	Method of assessment		each	a) written examination (approx. 60 minutes) and presentation (approx. 10 minutes) or b) oral examination of one candidate each (approx. 20 minutes) and presentation (approx. 10 minutes) or c) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) and presentation (approx. 10 minutes)						
Modules Patholog	y (3 ECTS	credits	5)								
03-98-APA-092-	Pathol	ogy									
mo1	ECTS	3	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		V (no	information on SV	VS (weekly contact hou	rs) and course language avai	lable)			
	Method	d of ass	essment	each	(approx. 20 minut	es) and presentation (a			l examination of one candidate roups of up to 3 candidates (ap-		
Modules Advance	d Lab Coւ	ırse (10	ECTS cre	dits)							
03-98-IPP-092-	Project	work ir	research	labor	atory						
mo1	ECTS	10	Duratio	1	1 semester	Method of grading	(not) successfully completed	d Modul level	undergraduate		
	Course	S		R (no	information on SV	VS (weekly contact hou	rs) and course language avai	lable)			
	Method	d of ass	essment	log (1	o to 15 pages) and	presentation (approx.	15 minutes)				
	other p	other prerequisites			Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.						

Thesis (12 ECTS cr	edits)										
03-98-THK-132-	Bachel	or thesi	s Biomed	icine							
mo1	ECTS	12	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S		•	This module has 2 components; information on courses listed separately for each component. o3-98-THK-2-132: K (no information on language and number of weekly contact hours available) o3-98-THK-1-000: no courses assigned						
	Method	d of ass	essment			lowing 2 assessment to pass the module a		ated otherwise, student	s must pass all of these as-		
	ves (35 ECTS credits)		• • • Asses	Assessment component to module component o3-98-THK-2-132: Kolloquium • 2 ECTS credits, method of grading: numerical grade • oral examination of on candidate each (approx. 20 minutes) • Language of assessment: German or English Assessment component to module component o3-98-THK-1-000: • ECTS credits, method of grading: unknown							
Compulsory Election	ves (35 E	CTS cre	dits)								
Compulsory Election	ves I (5 E	CTS cre	dits)								
03-98-PZB-092-	Cell Bio	ology									
mo1	ECTS	ECTS 5 Duratio			1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s S		R + S	(no information or	n SWS (weekly contac	t hours) and course lang	guage available)			
	Method	d of ass	essment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of didate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candi e) presentation (20 to 30 minutes)						
03-98-PGH-092-	Introdu	ction to	genetics	and h	uman genetics	'					
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	s S	•	P + V	+ Ü (no informatio	n on SWS (weekly co	ntact hours) and course	language available)			
			essment	didat		minutes) or d) oral e			or c) oral examination of one can- prox. 15 minutes per candidate) or		
Compulsory Electi	ves II (5 I	ECTS cre	edits)								
07-BI-132-m01	Introdu	iction to	bioinfor	matics							
	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	•	V + Ü	(no information or	n SWS (weekly contac	t hours) and course lang	guage available)			
	Method	d of ass	essment		tten examination (ination in groups	(30 to 60 minutes) an	d/or b) oral examinatior	n of one candidate each	(approx. 20 minutes) or c) oral		

03-98-RVZ-092-	Introduction	n to method	in ex	perimental biome	edicine						
mo1	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + S	(no information c	on SWS (weekly contact	hours) and course lang	uage available)				
	Method of a	assessment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)							
03-98-PZB-092-	Cell Biology	/					,				
mo1	ECTS 5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	Y	R + S	(no information c	on SWS (weekly contact	hours) and course lang	uage available)				
	Method of a	assessment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)							
03-98-PGH-092-	Introduction	n to genetics	and h	uman genetics			'				
mo1	ECTS 5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses	,	P + V	P + V + Ü (no information on SWS (weekly contact hours) and course language available)							
	Method of a	assessment	didat		o minutes) or d) oral exa			or c) oral examination of one can- orox. 15 minutes per candidate) or			
03-98-PGN-092-	Introductory Neurobiology for students of biomedicine										
mo1	ECTS 5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	undergraduate			
	Courses		V + S	+ Ü (no informati	on on SWS (weekly cont	act hours) and course l	anguage available)				
	Method of a	assessment	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one can didate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)								
	other prerec	quisites	Admi: cours		e to assessment: regula	r attendance of courses	(lectures excluded) as	specified at the beginning of the			
Compulsory Elective	ves III (10 ECT	S credits)									
03-98-PMIM-132-	Practical Co	ourse in Mici	obiolo	gy and Immunolo	ogy for students of biom	edicine					
mo1	ECTS 5	Duratio		1 semester	Method of grading		Modul level	undergraduate			
	Courses	'	P + S	(no information c	on SWS (weekly contact	hours) and course langi	uage available)	•			
	Method of a	assessment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)							
	other prerec	quisites	Admi: cours	•	e to assessment: regula	r attendance of courses	(lectures excluded) as	specified at the beginning of the			

03-98-PIMV-132-	Practica	l Course in Imm	unolog	y and Virology for	students of biomedic	ine				
mo1	ECTS	5 Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		P + S	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method	of assessment	didate e) pre	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)						
	other pre	erequisites		Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.						
03-98-PMV-092-	Practica	l Course in Mic	obiolo	gy and Virology for	students of biomedic	cine				
mo1	ECTS	ECTS 5 Duratio		1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	,	P + S	(no information on	SWS (weekly contact	hours) and course language av	ailable)			
	Method	of assessment	didate	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)						
	other pre	erequisites		Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.						
03-98-PPC-092-	Pathoph	ysiology and p	athobi	ochemistry with cli	nical demonstrations	for students of biomedicine				
mo1	ECTS	5 Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses		V + V	V + V (no information on SWS (weekly contact hours) and course language available)						
	Method	of assessment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)						
	other pre	erequisites	Admi: cours	•	o assessment: regula	r attendance of clinical demons	strations as spe	cified at the beginning of the		
Compulsory Electi	ves IV (15	ECTS credits)								
03-98-PPT-092-	Practica	l Course in Pha	rmacol	ogy and Toxicology	1					
mo1	ECTS			1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Courses	,	P + S	(no information on	SWS (weekly contact	hours) and course language av	ailable)	•		
	Method	of assessment	oral e	oral examination in groups of up to 3 candidates in the form of a presentation (approx. 30 minutes) and preparation of a scientific publication (approx. 1.5 hours)						
	other pre	erequisites		Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.						

03-98-PGN-092-	Introductory I	Neurobiolo	gy for	students of biome	dicine					
mo1	ECTS 5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	·	V + S	+ Ü (no informatio	n on SWS (weekly contact hours) and course	language available)				
	Method of ass	sessment	didat		: a) written examination (45 to 60 minutes) o minutes) or d) oral examination in groups of o minutes)					
	other prerequ	isites		Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of th ourse.						
03-98-PBG-092-	Bacterial gen	etics - Infe	ctiolog	iology						
mo1	ECTS 5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + S	+ Ü (no informatio	n on SWS (weekly contact hours) and course	language available)				
	Method of ass	sessment	didat		: a) written examination (45 to 60 minutes) o minutes) or d) oral examination in groups of o minutes)					
	other prerequ	isites		dmission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the ourse.						
	Participants a cation of plac	ınd allo- es	Bioch	emistry Bachelor's	: no restrictions. Biochemistry Master's: 4 pl	aces. Places will be allo	cated by lot.			
03-98-PMP-092-	Parasitology									
mo1	ECTS 5	Duratio		1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses	Courses		+ Ü (no informatio	n on SWS (weekly contact hours) and course	language available)				
	Method of assessment		didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)						
	other prerequisites		Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.							
03-98-PGS-092-	Structural Bio	ology				,				
mo1	ECTS 5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		V + S	+ Ü (no informatio	n on SWS (weekly contact hours) and course	language available)				
	Method of ass	sessment	didat	methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)						
03-98-PF2-132-	Practical cour	rse in a res	earch	laboratory		,				
mo1	ECTS 5	Duratio	า	1 semester	Method of grading numerical grade	Modul level	undergraduate			
	Courses		P (no	information on SW	/S (weekly contact hours) and course languag	ge available)				
	Method of ass	sessment		log (5 to 10 pages) and presentation (approx. 10 minutes) Language of assessment: German or English						
	other prerequ	isites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.							
Rachelor's with 1 major	B: I:: ()				IMITWE-b	od 26-Aug-2024 • evam reg datar	ecord Salago LLHIagaa nage 11 / 17			

03-98-PZB-092-	Cell Biol	ogy						1		
mo1	ECTS 1	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			R + S	(no information on S	WS (weekly contact	hours) and course language av	ailable)		
	Method	of asse	ssment	didate		ninutes) or d) oral ex			or c) oral examination of one can- rox. 15 minutes per candidate) or	
03-98-PGH-092-	Introduc	oduction to genetics and human genetics								
mo1	ECTS 4	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses		P + V	+ Ü (no information o	on SWS (weekly cont	act hours) and course language	e available)			
	Method	of asse	essment	didate	nethods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one lidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) presentation (20 to 30 minutes)					
03-98-RVZ-132-	Introduction to methods in experimental biomedicine									
mo1	ECTS 4	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	undergraduate	
	Courses			V + S (no information on SWS (weekly contact hours) and course language available)						
	Method of assessment			methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of or didate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) presentation (20 to 30 minutes) Language of assessment: German or English						
07-MS2BI-092-	Bioinfor	matics								
mo1	ECTS 4	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate	
	Courses	urses V + Ü (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment		a) written examination (30 to 60 minutes) and/or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups							

	y Skills (15 ECTS credits)								
03-98-FSQ-	Laboratory Expertise in	Biosciences							
FACH-132-m01	ECTS 3 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate							
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-98-FSQ-GEN-1-132: V (no information on SWS (weekly contact hours) and course language available) o3-98-FSQ-Tier-1-132: V + P (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.							
		 Assessment in module component o3-98-FSQ-GEN-1-132: Genetic Engineering and 1 ECTS, Method of grading: (not) successfully completed a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes) Assessment in module component o3-98-FSQ-Tier-1-132: Laboratory animal sciences Laboratory animal sciences 2 ECTS, Method of grading: (not) successfully completed in accordance with official guidelines regarding animal welfare (GV-SOLAS (Society of Laboratory Animals) / FELASA category B) 							
03-98-FSQ-	From experiment to put	olication and ethics in science							
EPE-092-m01	ECTS 2 Duratio	n 1 semester Method of grading (not) successfully completed Modul level undergraduate							
	Courses	This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-98-FSQ-EXP-1-092: V (no information on SWS (weekly contact hours) and course language available) o3-98-FSQ-ETH-1-092: V (no information on SWS (weekly contact hours) and course language available)							
	Method of assessment	Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. Assessment in module component o3-98-FSQ-EXP-1-092: From experiment to publication - how science works 1 ECTS, Method of grading: (not) successfully completed preparation of educational materials and materials for demonstrations (approx. 10 pages) Other prerequisites: Admission prerequisite to assessment: regular attendance as specified at the beginning of the course. Assessment in module component o3-98-FSQ-ETH-1-092: Ethics in Science 1 ECTS, Method of grading: (not) successfully completed preparation of educational materials and materials for demonstrations (approx. 10 pages) Other prerequisites: Admission prerequisite to assessment: regular attendance as specified at the beginning of the course.							
	other prerequisites	By way of exception, additional prerequisites are listed in the section on assessments.							

03-98-FSQ- STRA-092-m01	Radiation Safety and Protection											
	ECTS	2	Duration	1 semeste	r	Method of g	rading	(not) succ	essfully	completed	Modul level	undergraduate
	Course	S		V + S (no inform	tion on	SWS (weekly o	ontact	hours) and	l course l	anguage av	ailable)	
	Method	of ass	essment	2 written examinations (30 to 60 minutes each)								
	Additio	nal Info	ormation	Additional information on module duration: Courses will usually be offered in the form of a block course with two block sessions.								
03-98-FSQ-	Selected courses from biology and medicine 1										1	
MB1-092-m01	ECTS 2 Duration			1 semeste	r	Method of g	rading	(not) succ	essfully	completed	Modul level	undergraduate
	Course	S		V (no informatio	on SWS	S (weekly cont	act hou	rs) and cou	urse lang	uage availa	ble)	•
	Method of assessment			methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)								
	other p	rerequi	isites	Admission prerequisite to assessment: regular attendance as specified at the beginning of the course. Prior approval by degree programme coordinator required.								
03-98-FSQ-	Selecte	ed cour	ses from b	iology and medi	ine 2							
MB2-092-m01	ECTS	4	Duration	1 semeste	r	Method of g	rading	(not) succ	essfully	completed	Modul level	undergraduate
	Course	S		V (no informatio	on SW	S (weekly cont	act hou	rs) and cou	urse lang	uage availa	ble)	
	Method of assessment			methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)								
	other prerequisites			Admission prerequisite to assessment: regular attendance as specified at the beginning of the course. Prior approval by degree programme coordinator required.								
03-98-FSQ-	Selected courses from other faculties with a biomedical focus 1											
AF1-092-m01	ECTS	2	Duration	1 semeste	r	Method of g	rading	(not) succ	essfully	completed	Modul level	undergraduate
	Course	S		V (no informatio	on SWS	S (weekly cont	act hou	rs) and cou	urse lang	uage availa	ble)	
	Method of assessment			methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)								
	other prerequisites			Admission prerequisite to assessment: regular attendance as specified at the beginning of the course. Prior approval by degree programme coordinator required.								
03-98-FSQ-	Selected topics from other faculties with biomedical focus 2											
AF2-092-m01	ECTS	4	Duration	1 semeste	r	Method of g	rading	(not) succ	essfully o	completed	Modul level	undergraduate
	Courses			V (no information on SWS (weekly contact hours) and course language available)								
	Method of assessment			methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes)								
	other prerequisites			Admission preregree programme			regula	r attendand	ce as spe	cified at the	e beginning of t	the course. Prior approval by de-

03-98-FSQ-	Supervising Tutorials 1											
TUT1-092-m01	ECTS 2 Duration		n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses		T (no information on SWS (weekly contact hours) and course language available)									
	Method of as	ssessment	log (2 to 3 pages)									
	other prereq	uisites	Prior approval by degree programme coordinator required.									
03-98-FSQ- TUT2-092-m01	Supervising Tutorials 2											
	ECTS 3	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses		T (no information on SWS (weekly contact hours) and course language available)									
	Method of as	ssessment										
	other prereq	uisites	Prior approval by degree programme coordinator required.									
03-98-FSQ-	Supervising Tutorials 3											
TUT3-092-m01	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses		T (no	T (no information on SWS (weekly contact hours) and course language available)								
	Method of as	ssessment	log (2 to 3 pages)									
	other prereq	uisites	Prior approval by degree programme coordinator required.									
03-98-FSQ-	Journal Club 1											
LIT1-132-m01	ECTS 2	Duratio	,	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses		S (no information on SWS (weekly contact hours) and course language available)									
	Method of as	ssessment	presentation (approx. 15 minutes) Language of assessment: German or English									
	other prereq	uisites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course. Not to be combined with 03-98-FSQ-LIT2.									
03-98-FSQ-	Journal Club 2											
LIT2-132-m01	ECTS 4	Duratio	n	2 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses	,	S (no	information on SWS	/S (weekly contact hours) and course language available)							
	Method of as	ssessment	2 presentations (approx. 15 minutes each) Language of assessment: German or English									
	other prereq	uisites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course. Not to be combined with 03-98-FSQ-LIT1.									
03-98-FSQ- KAR-092-m01	Careers in Science											
	ECTS 1	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level undergraduate							
	Courses		V (no	V (no information on SWS (weekly contact hours) and course language available)								
	Method of as	ssessment	preparation of educational materials and materials for demonstrations (approx. 10 pages)									

03-98-FSQ- EXK-092-m01	Excursion										
	ECTS 1 Duratio		n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses	•	E (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	report (1 to 2 pages)								
	other prerequis	sites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course. Prior approval by degree programme coordinator required.								
03-98-FSQ- F2PR-092-m01	Orientational Laboratory course										
	ECTS 2	Duratio	n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses		P (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	log (5 to 10 pages)								
	other prerequis	sites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.								
03-98-FSQ-	Laboratory Course in biomedical research 1										
F2PR1-092-m01	ECTS 3	Duratio	n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses		P (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	log (5 to 10 pages)								
	other prerequis	sites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.								
03-98-FSQ-	Laboratory Course in biomedical research 2										
F2PR2-092-m01	ECTS 4	Duratio	n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses		P (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	log (10 to 15 pages) and talk (approx. 10 minutes)								
03-98-FSQ- F2PR3-092-m01	Laboratory Course in biomedical research 3										
	ECTS 5	Duratio	n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses		P (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	01 31 0 7 111 7								
	other prerequis	sites	Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course.								
03-98-FSQ- LERN-092-m01	Learning strate	egies and	preparation for exams								
	ECTS 2	Duratio	n 1 semester	Method of grading (not) successfully completed Modul level	undergraduate						
	Courses		V + S (no information on SWS (weekly contact hours) and course language available)								
	Method of asso	essment	presentation (approx. 15 minutes)								
	other prerequis	sites	Admission prerequisite to assessment: regular attendance of courses (as specified at the beginning of the course).								

03-98-FSQ-	Intercultural Competence										
IKK-092-m01	ECTS 3	Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate								
	Courses	V	V + S (no information on SWS (weekly contact hours) and course language available)								
	Method of asses	sment lo	log (10 to 20 pages)								
	other prerequisit		Regular attendance of courses (lectures excluded) as specified at the beginning of the course is an admission prerequisite to assessment.								
03-98-FSQ- NETW-092-m01	Individual Competences for Science										
	ECTS 3	Duration	1 semester Method of grading (not) successfully completed Modul level undergraduate								
	Courses	Th	This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-98-FSQ-NETW-1-092: S (no information on SWS (weekly contact hours) and course language available) o3-98-FSQ-BEW-1-092: S (no information on SWS (weekly contact hours) and course language available)								
	Method of asses		Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments.								
			 Assessment in module component o3-98-FSQ-NETW-1-092: Personal skills and scientific networking 2 ECTS, Method of grading: (not) successfully completed term paper (5 to 10 pages) or preparation of educational materials and materials for demonstrations (approx. 10 pages) Other prerequisites: Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course. Assessment in module component o3-98-FSQ-BEW-1-092: Job Application in the Life Sciences 1 ECTS, Method of grading: (not) successfully completed Other prerequisites: Admission prerequisite to assessment: regular attendance of courses (lectures excluded) as specified at the beginning of the course. 								
	other prerequisit	tes By	By way of exception, additional prerequisites are listed in the section on assessments.								