

Annex SFB

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

Responsible: Faculty of Medicine Examination regulations version: 2018
Responsible: Faculty of Biology Examination regulations version: 2018

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 assessment procedures: Should there be the option to choose between several methods of assessment, the lecturer will agree with the module coordinator on the method of assessment to be used in the current semester by two weeks after the start of the course at the latest and will communicate this in the customary manner.

Should a module comprise more than one graded assessment, all assessments will be equally weighted, unless otherwise stated below.

Should the assessment comprise several individual assessments, successful completion of the module will require successful completion of all individual assessments.

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

ASP02015

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

07-Mar-2018 (2018-7)

24-Mar-2020 (2020-23)

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

Every module will be described using the following form:

Abbreviation	Module title		,								
	ECTS Durat		Duration	(in semesters)	Method of grading		Module level				
	Courses		To be spe	cified in the form X	(y) with course type 2	Kabbreviated as specified abo	ve and number of we	ekly contact hours y			
	Method of as	sessme	ent								
	Only after succompletion o		l if applica	ble							
	Other prereq	uisites	if applica	if applicable							
	Participants and allocation of places		cati- if applica	ble							
	Additional information		on if applica	if applicable							
	Referred to in	ı LPO I	if applica	ble (examination re	gulations for teachin	g-degree programmes)					

Compulsory Course	es (40 EC	CTS cred	lits)									
Lab Course Model (Organisr	ms (20 l	ECTS cred	lits)								
03-98-MMOD-152-	Model	Organis	sms									
mo1	ECTS	20	Duratio	n	1 semester	Method of grading numerical grade		Modul level	graduate			
	Courses				S (3) + P (15) Module taught in: German/English							
	Method	d of ass	essment	Langu	Log (30 to 60 pages) Language of assessment: German or English Assessment offered: Once a year, winter semester							
	Additio	nal Info	rmation	Additi	onal information on	module duration module block taught: 5	to 7 block	sessions (1 we	ek each).			
Advanced Lab Cour	ses (20	ECTS cr	edits)									
03-98-MFPB-152-	Advanc	ed Lab	oratory Co	ourse ii	n Biology							
mo1	ECTS	10	Duratio	n	1 semester	Method of grading (not) successfully co	ompleted	Modul level	graduate			
	Courses			P (10) Modu	le taught in: Germar	ı/English						
	Method of assessment			practi Langu	cal assignment with age of assessment:	examination talk (approx. 20 to 30 minu German or English	tes) and lo	g (approx. 15 to	20 pages)			
	Modules successfully completed			03-98	-MMOD							
	other p	rerequi	sites	Prior approval from Dean of Studies required.								
	Additio	nal Info	rmation	Additional information on module duration: no less than 8 weeks, full time.								
03-98-MFPM-152-		ed Lab	oratory Co	ourse i	n Medicine							
mo1	ECTS	10	Duratio		1 semester	Method of grading (not) successfully co	ompleted	Modul level	graduate			
	Courses			` ′	P (10) Module taught in: German/English							
	Method of assess		essment		practical assignment with examination talk (approx. 20 to 30 minutes) and log (approx. 15 to 20 pages) Language of assessment: German or English							
	Module comple		essfully	o3-98-MMOD								
	other p	rerequi	sites	Prior a	approval from Dean	of Studies required.						
	Additio	nal Info	rmation	Additi	onal information on	module duration: no less than 8 weeks,	full time.					

Compulsory Elective	/es (35 E	CTS cre	dits)								
Compulsory Elective	/es l (15	ECTS cr	edits)								
03-98-MV-		l Neuro	biology								
KN-152-m01	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S			V (2) + S (2) Module taught in: English						
	Method	d of ass	essment	b) ora c) ora d) pre Stude	a) written examination (30 to 60 minutes) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or d) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English						
03-98-MVKB-152-	Cardio	vascula	r Biology								
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) Modu	(2) Nodule taught in: German/English						
	Method of assessment			b) log c) ora d) ora e) pre Stude Langu	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester						
03-98-MV-	Molecu	ılar Onc	ology		1	·		1			
MO-152-mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) Modu							
	Method of assessment			b) log c) ora d) ora e) pre Stude Langu	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester						

03-98-MV-	Stem C	ell Biol	ogy									
SZ-152-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	V (2) Module taught in: German/English							
	Method	d of asso	essment	b) log c) ora d) ora e) pre Stude Langu	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, summer semester							
03-98-MVTF-152-	Tissue	Engine	ering / Fu	nctiona	al Materials							
mo1	ECTS			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	V (2) Module taught in: German/English							
				b) log c) ora d) ora e) pre Stude Langu	written examination (30 to 60 minutes) or log (approx. 10 to 20 pages) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or presentation (20 to 45 minutes) udents will be informed about the method, length and scope of the assessment prior to the course. Inguage of assessment: German or English ssessment offered: Once a year, winter semester							
03-ONC-CLIN-152-	Clinical	Oncolo	gy									
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (2) Modu	V (2) Module taught in: German or English							
	Method of assessment			c) ora d) ora Stude	a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English							

Compulsory Elective At least one modul											
o8-MBC-	RNA worlds	S									
RNAW-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			/ (1) + S (1) Module taught in: German or English							
	Method of	assessment	b) log c) ora d) ora e) pre Stude	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English							
08-MBC-LCP-152-	Life cycle o	of proteins									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			V (1) + S (1) Module taught in: German or English							
	Method of	assessment	b) log c) ora d) ora e) pre Stude	n) written examination (30 to 60 minutes) or n) log (approx. 10 to 20 pages) or n) log (approx. 10 to 20 pages) or n) oral examination of one candidate each (30 to 60 minutes) or n) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or n) presentation (20 to 45 minutes) n) presentation (20 to 45 minutes) n) tudents will be informed about the method, length and scope of the assessment prior to the course. n) anguage of assessment: German and/or English							
03-98-lmmM1-152-	Immunolog	gy 1 BM									
mo1	ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses		S (2) Modu	le taught in: Germar	n/English						
	Method of	assessment	c) ora e) pre Stude Langu	a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Winter semester only							

03-98-	Immu	ınology 2	ВМ								
lmmM2-152-m01	ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cours	ses		S (2) Modu	S (2) Module taught in: German/English						
	Meth	od of ass	essment	b) ora c) pre Stude Langu	written examination (30 to 60 minutes) or oral examination of one candidate each (30 to 60 minutes) or presentation (20 to 45 minutes) cudents will be informed about the method, length and scope of the assessment prior to the course. anguage of assessment: German and/or English assessment offered: Summer semester only						
03-98-VirM1-152-	Virol	ogy 1 BM									
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cours	ses		V (1) + Modu	· S (2) le taught in: Germar	n/English					
	Meth	od of ass	essment	b) ora c) ora Stude Langu	a) written examination (30 to 60 minutes) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English Assessment offered: Winter semester only						
03-98-VirM2-152-	Virol	ogy 2 BM									
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate		
	Cours	ses		V (1) + Modu	- S (2) le taught in: Germar	n/English					
	Meth	od of ass	essment	b) ora c) ora Stude Langu	a) written examination (30 to 60 minutes) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English Assessment offered: Summer semester only						
03-98-lmm-	Adva	ances in Immunology									
For-152-mo1	ECTS 5 Durati			1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Cours	Courses			S (3) Module taught in: German/English						
	Meth	od of ass	essment	Stude	e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						

07-MBI-B-152-m01	Bioinfo	rmatics	В									
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		V (2) Modu	Nodule taught in: German and/or English							
	Method	d of asse		c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS-B-152-m01	Systems Biology B											
	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	Courses			le taught in: Germar	n and/or English						
	Method	d of asse	essment	c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MS2INF-B-152-	Infectio	n Biolo	gy B									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	S		V (2) Modu	le taught in: Germar	n and/or English						
	Method of assessment			c) ora d) ora	l examination of one l examination in gro	e candidate each (30	dates (30 to 60 minutes)	s) or				
07-MS2PA-B-152-	Pathog	enicity o	of Microo	rganis	ms B							
mo1	ECTS 5 Duratio Courses		Duration	ו	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
				V (2) Modu	le taught in: English	l						
	Method of assessment			c) ora d) ora	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							

03-98-MHGS-152-	Human	Genetic	s Semina	ar							
mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully com	npleted	Modul level	graduate	
	Courses	S		S (2) Modu	S (2) Module taught in: German/English						
	Method	l of asse	essment	c) ora d) ora Stude	a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						
03-98-MHGP-152-	Practica	al Cours	e in Hum	an Gen	etics						
mo1	ECTS	10	Duration	ı	1 semester	Method of grading	(not) successfully com	npleted	Modul level	graduate	
	Courses	S		P (10) Modu	(10) odule taught in: German/English						
	Method	l of asse	essment	c) ora d) ora Stude	written examination (30 to 60 minutes) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) cudents will be informed about the method, length and scope of the assessment prior to the course. Inguage of assessment: German and/or English						
	Additio	nal Info	rmation	Additi	onal information on	module duration: 4 v	veeks, full time.				
03-98-			rses fron	other programs							
MVAND-152-mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully com	npleted	Modul level	graduate	
	Courses	S			V (3) Module taught in: German/English Course type: alternatively P or S						
	Method	l of asse	essment	c) ora d) ora Stude	a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						
	other p	rerequis	ites	Please	e consult with degre	e programme coordir	nator in advance.				
03-98-FBM-172-		cence m	ethods i	n biom	edicine						
mo1	ECTS 5 Duratio		Duration		1 semester	Method of grading	numerical grade		Modul level	graduate	
	Courses			V (2) + S (1) Module taught in: German/English							
	Method of assessm		essment	a) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 30 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						e course.	

08-MBC-EMV-172-	Electro	Electron microscopy and image processing in structural biology									
mo1	ECTS	5	Duration	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			V (1) + S (1)						
					Module taught in: German or English						
	Method	d of ass	essment		a) written examination (approx. 45 to 90 minutes) or						
					b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or						
						oups of up to 3 candidates (15 to 30 minutes per	candidate) or				
					sentation (20 to 40						
	_			Langu	lage of assessmen	t: German and/or English					
03-MBC-TG-161-	Tumor				1		1				
mo1	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (1) -	+ S (1) lle taught in: Englis	h					
	Mathad of accomment					approx. 45 to 90 minutes) or		_			
	Method of assessment				(20 to 30 pages) o						
				c) ora	c) oral examination of one candidate each (20 to 30 minutes) or						
					d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
03-98-SCB-192-	Single	Cell Ric	logy	Lange	<u> </u>	t. definant and/or English					
mo1	ECTS	5	Duration		1 semester	Method of grading numerical grade	Modul level	graduate			
	Course		Daration) + Ü (0,5)	method of grading numerical grade	Modulitevel	Sidudic			
	Course	3			le taught in: Englis	h					
	Method of assessment				written examination (approx. 60 minutes)						
				Language of assessment: English							
	D				able for bonus						
	cation		nd allo-		Biomed: 15 Biochem: 15						
	Cation	oi piace			Biowis: 10						
					tion process: alloca	ation by lot					

Compulsory Electiv	es III (5 ECTS	credits)								
03-98-MTUT2-152-	Knowledge '	Transfer / T	utoring							
mo1	ECTS 2	Duratio	n 1	semester	Method of grading (not) successfully complete	d Modul level	graduate			
	Courses		T (2)							
				taught in: Ger						
	Method of a	ssessment	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or							
				b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or						
			d) oral ex							
					5 minutes) or	.1. /				
				ing and supering of the cours	ising study groups/student lab courses (type and le ດ	ngtn/scope of as	ssessment to be specified at the			
					ed about the method, length and scope of the asses	sment prior to th	ne course.			
					nt: German and/or English	•				
	other prereq	Juisites	May only	/ be taken as	n alternative to MTUT3.					
03-98-MTUT3-152-	Knowledge ⁻	Transfer / T	utoring							
mo1	ECTS 3	Duratio		semester	Method of grading (not) successfully complete	d Modul level	graduate			
	Courses		T (3)		(F. 1)					
	AA (1 1 C			Module taught in: German/English a) written examination (30 to 60 minutes) or						
	Method of a	ssessment		b) log (approx. 10 to 20 pages) or						
			c) oral ex	c) oral examination of one candidate each (30 to 60 minutes) or						
			d) oral ex	d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) or f) preparing and supervising study groups/student lab courses (type and length/scope of assessment to be specified at the beginning of the course).						
			Students will be informed about the method, length and scope of the assessment prior to the course.							
				Language of assessment: German and/or English						
	other prereq		May only	/ be taken as	n alternative to MTUT2.					
03-98-MKM2-152-	Clinical Med									
mo1	ECTS 2	Duratio		semester	Method of grading (not) successfully complete	d Modul level	graduate			
	Courses		V (2)		(F. 11.1					
	AA () C			Module taught in: German/English a) written examination (30 to 60 minutes) or						
	Method of a	ssessment								
			b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.							
					ed about the method, length and scope of the asses nt: German and/or English	sment prior to th	ie course.			
	other prereq	uisites			n alternative to MKM3.					
	zana. proreq	15.10.100	1, 5.11()	, actanen as						

03-98-MKM3-152-	Clinical Medicine								
mo1	ECTS 3 Duratio	n 1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses	V (3) Module taught in: German/English							
	Method of assessment	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.							
		Language of assessment: German and/or English							
	other prerequisites	May only be taken as an alternative to MKM2.							
Thesis (45 ECTS cre	edits)								
Research Practical	Course (15 ECTS credits)								
03-98-MPPF-152-	Internship in a Researc	ı Lab							
mo1	ECTS 15 Duratio	1 semester Method of grading (not) successfully completed Modul level graduate							
	Courses	P (15) Module taught in: German/English							
	Method of assessment	Log (approx. 20 to 30 pages) or research proposal for thesis based on project (approx. 10 to 20 pages) Language of assessment: English							
	other prerequisites	Prior approval from Dean of Studies required.							
	Additional Information	Additional information on module duration: no less than 10 weeks, full time.							
Thesis and Colloqu	ium (30 ECTS credits)								
03-98-MTH-152-	Master Thesis Biomedic	cine							
mo1	ECTS 25 Duratio								
	Courses	No courses assigned to module Module taught in: German/English							
	Method of assessment	Master's thesis (approx. 30 to 60 pages) Language of assessment: English							
	Additional Information	Time to complete: 6 months.							
03-98-MKO-152-	Colloquium								
mo1	ECTS 5 Duratio								
	Courses	K (o) Module taught in: German/English							
	Method of assessment	final colloquium (approx. 30 to 45 minutes) Language of assessment: English							