

## **Annex SFB**

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

Responsible: Faculty of Medicine

Responsible: Faculty of Chemistry and Pharmacy

Examination regulations version: 2015

Examination regulations version: 2015

Abbreviations used: Course types:  $\mathbf{E} = \text{field trip}$ ,  $\mathbf{K} = \text{colloquium}$ ,  $\mathbf{O} = \text{conversatorium}$ ,  $\mathbf{P} = \text{placement/lab course}$ ,  $\mathbf{R} = \text{project}$ ,  $\mathbf{S} = \text{seminar}$ ,  $\mathbf{T} = \text{tutorial}$ ,  $\mathbf{U} = \text{exercise}$ ,  $\mathbf{V} = \mathbf{V} = \mathbf$ 

= 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)):

13-Jul-2015 (2015-20) except for mandatory elective 03-MBC-TG-161 added at two places in Fast Track procedure at a later time

15-Mar-2017 (2017-14)

13-Dec-2023 (2023-110)

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

Every module will be described using the following form:

Abbreviation	Module title	Module title										
	ECTS		Duration	(in semesters)	Method of grading		Module level					
	Courses		To be	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	ssessme	ent									
	Only after su completion o		l if appl	if applicable								
	Other prereq	uisites	if appl	if applicable								
	Participants and allocation of places		ocati- if appl	if applicable								
	Additional informa		on if appl	icable								
	Referred to in LPO I		if appl	if applicable (examination regulations for teaching-degree programmes)								

		of the	solosted focus mu	ust ha takan							
			selected locus illu	ist be taken.							
and Function	nal Biocher	mistry	(30 ECTS credits)								
Mass-Spectrometry and Proteomics											
ECTS 5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
Courses											
Method of as	sessment	b) log c) ora d) ora e) pre Langu	b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English								
		Biochemie (Biochemistry), Master's: 6 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.									
Genomes and epigenetics											
ECTS 10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
Courses		Ü (6) Module taught in: German or English									
Method of as	sessment	b) ora c) ora d) pre Langu	b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes) Language of assessment: German and/or English								
Literature ser	minar 1										
ECTS 5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
Courses											
	t one focus; a  fe-Sciences ( and Function Mass-Spectre ECTS	Re-Sciences (50 ECTS cream of Functional Biocher of Mass-Spectrometry and ECTS   5   Duratio of Courses  Method of assessment  Participants and allocation of places  Genomes and epigenetic of Courses  Method of assessment  Literature seminar 1  ECTS   5   Duratio of Courses  Duratio of Courses	tone focus; all modules of the fe-Sciences (50 ECTS credits)  and Functional Biochemistry of Mass-Spectrometry and Protest CTS   5   Duration    Courses   V (2) - Module    Method of assessment   a) writes   b) log   c) ora   d) ora   e) present   Langue    Cation of places   Biochemistry    Courses   Duration    Courses   Duration    Courses   Duration    Courses   Duration    Courses   Duration    Courses   Duration    Courses   Courses   Courses    Literature seminar 1    ECTS   5   Duration    Courses   S (2)   Module    Module   S (2)   Module    Module   S (2)    Module   S (	re-Sciences (50 ECTS credits)  and Functional Biochemistry (30 ECTS credits)  Mass-Spectrometry and Proteomics  ECTS 5 Duration 1 semester  Courses V (2) + S (1) + P (2)  Module taught in: Germa  Method of assessment a) written examination (a) b) log (20 to 30 pages) or c) oral examination in gred presentation (20 to 40 Language of assessment offered: One cation of places  Participants and allocation of places  Participants and allocation of places  Biochemie (Biochemistry applicants with the samplaces re-allocated by log (20 to 30 pages) or c) oral examination in gred places re-allocated by log (20 to 30 pages) or c) oral examination in gred presentation (20 to 40 Language of assessment a) log (20 to 30 pages) or c) oral examination in gred presentation (20 to 40 Language of assessment Assessment offered: One Literature seminar 1  ECTS 5 Duration 1 semester  Courses S (2)  Module taught in: Germa  Assessment offered: One Literature seminar 1  ECTS 5 Duration 1 semester	tone focus; all modules of the selected focus must be taken.  Fe-Sciences (50 ECTS credits)  Mass-Spectrometry and Proteomics  ECTS 5 Duration 1 semester Method of grading  Courses V (2) + S (1) + P (2)  Module taught in: German or English  A) written examination (approx. 45 to 90 minut b) log (20 to 30 pages) or c) oral examination in groups of up to 3 candid e) presentation (20 to 40 minutes)  Language of assessment: German and/or English  Assessment offered: Once a year, winter sements of places  ECTS 10 Duration 1 semester Method of grading  Courses Ü (6)  Module taught in: German or English  Method of assessment  a) log (20 to 30 pages) or b) oral examination in groups of up to 3 candid e) presentation (20 to 40 minutes)  Language of assessment: German or English  Method of assessment  a) log (20 to 30 pages) or b) oral examination of one candidate each (20 c) oral examination in groups of up to 3 candid d) presentation (20 to 40 minutes)  Language of assessment: German and/or English Assessment: German an	tone focus; all modules of the selected focus must be taken.  fe-Sciences (50 ECTS credits)  and Functional Biochemistry (30 ECTS credits)  Mass-Spectrometry and Proteomics  ECTS 5 Duration 1 semester Method of grading numerical grade  Courses V(2) + S(1) + P(2) Module taught in: German or English  Method of assessment a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minute e) presentation (20 to 40 minutes)  Language of assessment: German and/or English Assessment offered: Once a year, winter semester  Participants and allocation of places applicants with the same number of subject semesters, places will be allocate applicants with the same number of subject semesters, places will be places re-allocated by lot as they become available.  Genomes and epigenetics  ECTS 10 Duration 1 semester Method of grading numerical grade  Courses Ü (6) Module taught in: German or English  Method of assessment a) log (20 to 30 pages) or b) oral examination in groups of up to 3 candidates (15 to 30 minute d) presentation (20 to 40 minutes)  Language of assessment: German and/or English Assessment offered: Once a year, summer semester  Literature seminar 1  ECTS 5 Duration 1 semester Method of grading numerical grade  Courses S (2) Module taught in: German or English	The focus of the selected focus must be taken.    Focion   Sector   Sector				

Method of assessment presentation (20 to 40 minutes)
Language of assessment: German and/or English

08-MBC-MK-152-	Macromolecular Crystallography											
mo1	ECTS	10	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	!S		V (2)	+ Ü (1) + P (5)	·	•					
				Modu	le taught in: Germa	ın or English						
	Method	d of ass	essment			approx. 45 to 90 minutes) or						
					(20 to 30 pages) o							
					oral examination of one candidate each (20 to 30 minutes) or ) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or ) presentation (20 to 40 minutes) anguage of assessment: German and/or English							
				Asses	sessment offered: Once a year, summer semester							
08-MBC-PQK-152-	Protein	quality	y control									
mo1	ECTS 10 Duration			n	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	:S		Ü (6)								
					le taught in: Germa							
	Method of assessment				(20 to 30 pages) o							
					b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or							
					d) presentation (20 to 40 minutes)							
				Langu	Language of assessment: German and/or English							
					Assessment offered: Once a year, summer semester							
08-MBC-RNP-152-		re and	_		protein complexes							
mo1	ECTS	10	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	<b>!</b> S		Ü (6)								
				Module taught in: German or English								
	Method of assessment			a) log (20 to 30 pages) or								
				b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or								
				d) presentation (20 to 40 minutes)								
				Language of assessment: German and/or English								
					Assessment offered: Once a year, winter semester							

08-MCM3-152-m01	Drug de	esign			,		1					
	ECTS	5	Duration	า	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	S			S (2) + Ü (1) Module taught in: German or English							
	Method	d of ass	essment		oresentation with discussion (approx. 30 minutes) Language of assessment: German and/or English							
	Particip cation			the sa will b ted by ding t	places. 4 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration; among applicants with the same number of subject semesters, places will be allocated by lot.; 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated by lot; a waiting list will be maintained and places re-allocated by lot as they become available.							
o8-MBC-	RNA wo	orlds					,					
RNAW-152-m01	ECTS 5 Duration			า	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	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 cyc	le of pr	oteins				,					
mo1	ECTS	5	Duration	1	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	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-GST-152-	Genom	e stabil	ity									
mo1	ECTS	5	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	<u> </u>		V (1) +		·						
				Modu	le taught in: Germa	n or English						
	Method	d of ass	essment		a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes)							
					students will be informed about the method, length and scope of the assessment prior to the course.							
					inguage of assessment: German and/or English							
07-MS2B-	Biophy	sics an	d Molecul	ar Biot	iotechnology							
T-152-m01	ECTS	10	Duration	1	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Courses				/ (2) + S (1) Module taught in: English							
	Method of assessment			c) ora d) ora Stude	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English							
08-MBC-FPV-232-	Functional Proteomics: Deciphering Protein Worlds											
mo1	ECTS	5	Duration	า	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	b) ora c) ora d) pre Stude Langu	a) written examination (30 to 60 minutes; also multiple choice) or b) oral examination of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (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: German and/or English Assessment offered: Once a year, winter semester							

08-MBC-FPP-232-	The Fur	nctiona	Proteom	e: Orga	anization, Modula	tion and Dynamics					
mo1	ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S	•	Ü (6)			<u> </u>				
					le taught in: Germ						
	Method	d of ass	essment	a) log (approx. 10 to 20 pages) 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: German and/or English Assessment offered: Once a year, winter semester							
	other p	rerequi	sites	Stude	nts are highly reco	mmended to complet	e module o8-MBC-FPV in the s	same semester.			
		oants ar of place		of sub	nould the number of applications exceed the number of available places, places will be allocated according to the number subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting st will be maintained and places re-allocated by lot as they become available.						
Subfield - Molecula	ar and M	edical (	Cell Biolog	gy (20	ECTS credits)						
03-MS2H-	Human	geneti	cs								
G-152-m01	ECTS	10	Duratio	n	2 semester	Method of grading	numerical grade	Modul level	graduate		
	Course	S		V (2) + S (2) Module taught in: German or English							
	Method	d of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
03-98-PBG-152-	Bacteri	al gene	tics - Infe	ctiolog	gy	_		1			
mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	undergraduate		
	Course	S	•	V (1) +	- S (1) + Ü (4)			•			
	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 d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English							
		oants ar of place		Biochemie (Biochemistry), Master's: 4 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							

03-MS2lM1-152-	Immun	ology 1										
mo1	ECTS	10	Duration	1	1 semester	Method of grading r	umerical grade	Modul level	graduate			
	Course	es.		V (1) + Modu	S (2) le taught in: Engli	sh						
	Method	d of ass		b) log c) oral d) ora e) pre Langu	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester							
		pants ar of place		applic	iochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among pplicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and laces re-allocated by lot as they become available.							
03-MS2lM2-152-	Immun	ology 2										
mo1	ECTS	10	Duration		1 semester	Method of grading r	iumerical grade	Modul level	graduate			
	Course	es			V (1) + S (2) Module taught in: English							
	Method	d of ass		a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, summer semester								
	Participants and allo- cation of places			Biochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								
03-MS2V1-152-	Virolog	gy 1										
mo1	ECTS	10	Duration		1 semester	Method of grading r	iumerical grade	Modul level	graduate			
	Course			V (1) + S (2) Module taught in: English								
	Method	d of ass		a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English Assessment offered: Once a year, winter semester								
		pants ar of place	!S	Biochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								

03-MS2V2-152-	Virolog	y 2					,					
mo1	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S			/ (1) + S (2) Module taught in: English							
	Method	d of ass	essment	b) ora c) ora Langu	) written examination (approx. 45 to 90 minutes) or ) oral examination of one candidate each (20 to 30 minutes) or ) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) anguage of assessment: German and/or English assessment offered: Once a year, summer semester							
	Particip cation			applic	iochemie (Biochemistry), Master's: 3 places. Places will be allocated according to the number of subject semesters. Among pplicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and laces re-allocated by lot as they become available.							
07-MS2M1-152-	Microb	iology 1	L				,					
mo1	ECTS	10	Duration	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Course	S		V (2) -	+ S (1)							
	Method of assessment			b) ora c) ora	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English							
	Participants and allo- cation of places			applic	Biochemie (Biochemistry), Master's: 15 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
07-MS2M2-152-	Microbiology 2											
mo1	ECTS	10	Duration		1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course				V (2) + S (1)							
	Method	Method of assessment			<ul> <li>a) written examination (approx. 45 to 90 minutes) or</li> <li>b) oral examination of one candidate each (20 to 30 minutes) or</li> <li>c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate)</li> <li>Language of assessment: German and/or English</li> </ul>							
	Participants and allo- cation of places			applic	Biochemie (Biochemistry), Master's: 15 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
08-MBC-LIT2-152-	Literati	ure sem	inar 2									
mo1	ECTS	5	Duration	ו	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course			S (2) Modu	le taught in: Germ	an or English						
	Method of assessment			presentation (20 to 40 minutes) Language of assessment: German and/or English								

08-PH-KAC-152-	Clinica	l-analyt	ical Chen	nistry								
mo1	ECTS	5	Duration	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S	•	V (3)	/(3)							
	Method	d of asso	essment		written examination (approx. 120 minutes) Language of assessment: German and/or English							
08-PH-KACP-152-	Practic	al cours	se of clinic	cal-ana	lytical Chemistry							
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Course	S		P (5)	•	•						
	Method	d of asso	essment	and a	ortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) anguage of assessment: German and/or English							
03-98-MV-	Clinica	l Neurol	biology									
KN-152-m01	ECTS	5	Duration	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			+ S (2) le taught in: English							
	Method of assessment			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					e course.			
03-98-MVKB-152-	Cardio	vascula	r Biology									
mo1	ECTS	5	Duratio	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Module taught in: German/English								
	Method	d of asso	essment	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester								

03-98-MV-	Molecu	ılar Onc	ology					,					
MO-152-mo1	ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	:S		V (2)		<i>'</i>							
					le taught in: German								
	Method	d of asso	essment		) 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) itudents will be informed about the method, length and scope of the assessment prior to the course. anguage of assessment: German or English assessment offered: Once a year, winter semester								
				d) ora									
03-98-MV-	Stem C	ell Biol	ogy										
SZ-152-m01	ECTS 5 Duration				1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (2)	(2) odule taught in: German/English								
	NA - 41	.l . £											
	Method	d of asso	essment		tten examination (30 (approx. 10 to 20 pa								
				c) ora	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) pre	e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course.								
				Langu	Language of assessment: German or English								
					Assessment offered: Once a year, summer semester								
03-98-MVTF-152-	Tissue	Engine	ering / Fu	nction	al Materials								
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	!S		V (2)		/ <del>-</del>							
	84 (1	1 6			le taught in: German			_					
	Method	d of asso	essment	a) written examination (30 to 60 minutes) or									
					b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or								
				d) ora	d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or								
				e) presentation (20 to 45 minutes)									
				Students will be informed about the method, length and scope of the assessment prior to the course.  Language of assessment: German or English									
				Assessment offered: Once a year, winter semester									

03-ONC-CLIN-152-	Clinica	l Oncol	ogv									
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	le taught in: Germa	an or English	<u> </u>					
	Method	d of ass		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-MBC-TG-161-	Tumor	Geneti	cs					,				
mo1	ECTS 5 Duratio				1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S			(1) + S (1) odule taught in: English							
				a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English								
Focus - Molecular (	Oncology	ncology (50 ECTS credits)										
Subfield - Tumor Bi	iology (3	5 ECTS	credits)									
03-ONC-LAB1-152-	Lab rot	ation O	ncology									
mo1	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			P (6) Module taught in: German or English								
	Method of assessment			a) Log (20 to 30 pages) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English								
	Participants and allo- cation of places			Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								

03-ONC-SEM1-152-	Oncolo	gy Sem	inar 1									
mo1	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (1) Modu	(1) Module taught in: German or English							
	Method	d of ass	essment	b) pre	a) written examination (approx. 45 to 90 minutes) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English							
		oants ar of place		applic	biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among pplicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and laces re-allocated by lot as they become available.							
03-ONC-SEM2-152-	Oncolo	gy Sem	inar 2	•								
mo1	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (1) Modu	Module taught in: German or English							
	Method	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English							
	Participants and allocation of places			Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								
1 -	Experi	mental 1	Tumor Bio	logy	-							
mo1	ECTS	10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	:S		P (8) Module taught in: German or English								
	Method	d of ass	essment	a) Log (20 to 30 pages) or b) presentation (20 to 40 minutes) Language of assessment: German and/or English								
		oants ar of place		Biochemie (Biochemistry), Master's: 18 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								

03-98-MV-	Molecu	ılar Onc	ology								
MO-152-mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	ıle taught in: Gern	nan/English	•				
	Method	d of ass	essment	b) log c) ora d) ora e) pre Stude Lange	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) tudents will be informed about the method, length and scope of the assessment prior to the course. anguage of assessment: German or English ssessment offered: Once a year, winter semester						
03-ONC-CLIN-152-	Clinica	l Oncol	ogy	•							
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S		V (2) Modu	(2) odule taught in: German or English						
	Method	Method of assessment			a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English						
Subfield - Structur	al and Fu	ınction	al Biocher	nistry	(15 ECTS credits)						
08-MBC-MSP-152-	Mass-S	Spectro	metry and	Prote	omics						
mo1	ECTS	5	Duratio	n	1 semester	Method of grading numerical grade	Modul level	graduate			
	Course	S			+ S (1) + P (2) Ile taught in: Gern	nan or English	•				
	Method of assessment			b) log c) ora d) ora e) pre Lang	a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Assessment offered: Once a year, winter semester						
		oants ar of place		Biochemie (Biochemistry), Master's: 6 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							

08-MBC-GEG-152-	Genome	es and e	pigeneti	cs					Genomes and epigenetics											
mo1	ECTS	10	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate											
	Courses	5		Ü (6)				•												
					le taught in: Germar	n or English			_											
	Method	of asse	essment		a) log (20 to 30 pages) or b) oral examination of one candidate each (20 to 30 minutes) or															
							lates (15 to 30 minutes	s per candidate) or												
				d) pre	sentation (20 to 40	minutes)		, , , , , , , , , , , , , , , , , , , ,												
					anguage of assessment: German and/or English ssessment offered: Once a year, summer semester															
oo MDC LITA 450	Literatu	ro comi	nor4	Asses	Sment onered: Once	e a year, summer sem	lester													
08-MBC-LIT1-152- 1 mo1	<b>Literatu</b> ECTS		Duration		4 comoctor	Mothod of grading	numarical grada	Modul level	graduate											
	Courses	5	Duration	S (2)																
	Courses	Module taught in: German or English																		
	Method	of assessment presentation (20 to 40 minutes) Language of assessment: German and/or English																		
08-MBC-MK-152-	Macron	nolecula	r Crystal			- derillali allu/ol Liigi	1511		-											
mo1		10	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate											
	Courses				+ Ü (1) + P (5)	Method of Stading	numerical grade	Modulitevel	Sidduce											
	Courses	,			Module taught in: German or English															
	Method	of asse	essment		tten examination (ap															
					b) log (20 to 30 pages) or															
					c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or															
					sentation (20 to 40			•												
						German and/or Engl a year, summer sen														
08-MBC-PQK-152-	Protein	nuality	control	73363	Silient offered. Office	a year, summer sem	iestei													
mo1		10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate											
	Courses	5		Ü (6)			<del>-</del>	'	-											
					Module taught in: German or English															
	Method	of asse	essment																	
			b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or																	
				d) presentation (20 to 40 minutes)																
				Langu	age of assessment:	German and/or Engl														
				Asses	sment offered: Once	e a year, summer sen	nester													

08-MBC-RNP-152-	Structu	re and	function o	f RNA	protein complexes								
mo1	ECTS	10	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	:S		Ü (6)	•		•	-	•				
				Modu	le taught in: Germar	n or English							
	Method	d of ass	essment	a) log	log (20 to 30 pages) or								
				b) ora	) oral examination of one candidate each (20 to 30 minutes) or								
					c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or d) presentation (20 to 40 minutes)								
					anguage of assessment: German and/or English								
					sessment offered: Once a year, winter semester								
08-MCM3-152-m01	Drug d	esign											
	ECTS	5	Duration	ı	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course												
		Module taught in: German or English ethod of assessment   presentation with discussion (approx. 30 minutes)											
	Method of assessment					sion (approx. 30 minu German and/or Eng							
	Participants and allo- cation of places			the sa will b ted by ding t	ame number of subject of subject of siven preferential of the state of subject of subjec	ect semesters; stude consideration; amon udents of the Master pject semesters; amo	nts who have chosen Medizinis ig applicants with the same nun r's degree programme Biochem	che Chemie (M nber of subject ie (Biochemistry umber of subjec	tes will be allocated according to edicinal Chemistry) as their focus semesters, places will be allocay): Places will be allocated accort semesters, places will be allocatilable.				
o8-MBC-	RNA wo	orlds	-					-					
RNAW-152-m01	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate				
	Course	S		V (1) - Modu	S (1) le taught in: Germar	n or English							
	Method	d of ass		b) log c) ora d) ora e) pre Stude	al examination in gro esentation (20 to 45 ents will be informed	ages) or e candidate each (30 oups of up to 3 candi minutes)	dates (approx. 30 to 60 minutes length and scope of the assessi		e course.				

Course	5 :s	Duratio	n	1 semester		Life cycle of proteins												
	!S	•		1 semester   Method of grading   numerical grade   Modul level   graduate														
Method			V (1) - Modu	+ S (1) lle taught in: Germ	an or English													
		essment	b) log c) ora d) ora e) pre Stude	(approx. 10 to 20 l examination of o al examination in g esentation (20 to 4 ents will be inform	ne candidate each (30 roups of up to 3 candio 5 minutes) ed about the method, l	dates (approx. 30 to 60 ength and scope of the	·	e course.										
	e stabil	ity																
ECTS	5	Duratio	n 1 semester Method of grading numerical grade Modul level graduate															
Course	!S				an or English													
Method	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																	
Biophysics and Molecular Biotechnology																		
ECTS	10	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate										
Courses																		
Method	A) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes)  Students will be informed about the method, length and scope of the assessment prior to the course.						e course.											
Functio	onal Pro	teomics:	Deciph	ering Protein Wo	lds		'	"										
ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate										
Course	!S				an or English													
			b) ora c) ora d) pre Stude Langu	al examination of call examination in gesentation (20 to 4 ents will be informusee of assessmer	one candidate each (30 roups of up to 3 candio 5 minutes) ed about the method, lot: German and/or Eng	o to 60 minutes) or dates (30 to 60 minutes ength and scope of the lish ester	e assessment prior to th		page 17 / 35									
	Biophy ECTS Course Method  Function ECTS Course Method	ECTS 5  Courses  Method of assortional Profects 5  Courses  Functional Profects 5  Courses	Courses  Method of assessment  Biophysics and Molecul ECTS 10 Duratio Courses  Method of assessment  Functional Proteomics: ECTS 5 Duratio Courses  Method of assessment	C) ora d) ora e) pre Stude Langu  Genome stability  ECTS 5 Duration  Courses V (1) - Modu  Method of assessment a) wri b) log c) ora d) ora e) pre Stude Langu  Biophysics and Molecular Biot Langu  ECTS 10 Duration  Courses V (2) Modu  Method of assessment a) wri c) ora d) ora Stude Langu  Functional Proteomics: Deciphed Langu  Functional Proteomics: Deciphed Langu  Method of assessment a) wri c) ora d) ora Stude Langu  Method of assessment a) wri c) ora d) ora Stude Langu  Method of assessment a) wri c) ora d) pre Stude Langu  Method of assessment a) wri c) ora d) pre Stude Langu  Method of assessment a) wri c) ora d) pre Stude Langu  Method of assessment a) wri c) ora d) pre Stude Langu  Method of assessment a) wri c) ora d) pre Stude Langu  Asses	c) oral examination of o d) oral examination in g e) presentation (20 to 4 Students will be informal Language of assessment  Genome stability  ECTS 5 Duration 1 semester  Courses V (1) + S (1) Module taught in: Germ a) written examination (b) log (approx. 10 to 20 c) oral examination of o d) oral examination in g e) presentation (20 to 4 Students will be informal Language of assessment  Biophysics and Molecular Biotechnology  ECTS 10 Duration 1 semester  Courses V (2) + S (1) Module taught in: English Method of assessment  A) written examination of o d) oral examin	d) oral examination in groups of up to 3 candide e) presentation (20 to 45 minutes) Students will be informed about the method, I Language of assessment: German and/or Engish    Courses   V(1) + S(1)	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 e) presentation (20 to 45 minutes)  Students will be informed about the method, length and scope of the Language of assessment: German and/or English  Genome stability  ECTS 5 Duration 1 semester Method of grading numerical grade  Courses V(1) + S(1) Module taught in: German or 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 e) presentation (20 to 45 minutes)  Students will be informed about the method, length and scope of the Language of assessment: German and/or English  Biophysics and Molecular Biotechnology  ECTS 10 Duration 1 semester Method of grading numerical grade  Courses V(2) + S(1) Module taught in: English  Method of assessment a) written examination (30 to 60 minutes, including multiple choice or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) or d) 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) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or oral	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 Language of assessment: German and/or English  Method of assessment  a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) 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 Language of assessment: German and/or English  Biophysics and Molecular Biotechnology  ECTS 10 Duration 1 semester Method of grading numerical grade Modul level  Courses V(2) + S (1) Module taught in: English  Method of assessment a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes)  Functional Proteomics: Sucients will be informed about the method, length and scope of the assessment prior to the language of assessment examination (30 to 60 minutes, including multiple choice questions) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes)  Functional Proteomics: Deciphering Protein Worlds  ECTS 5 Duration 1 semester Method of grading numerical grade Modul level  Courses V(1) + S (1) Module taught in: German or English  Method of assessment a) written examination (30 to 60 minutes, including multiple choice) or b) oral examination in groups of up to 3 candidates (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the language of assessment: German or English  Method of assessment in groups of up to 3 candidates (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, len	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  Cerows									

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08-MBC-FPP-232- mo1	ECTS		Duration		·	Mothod of grading numerical grade	Modul level	T are due to				
		10	Duratio	Ü (6)	1 semester	Method of grading   numerical grade	Modul level	graduate				
	Course	5			le taught in: Germ	nan or English						
	Method	d of ass	essment		(approx. 10 to 20			-				
				b) ora	l examination of o	one candidate each (30 to 60 minutes) or						
						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: German and/or English							
				Langu								
			_		Assessment offered: Once a year, winter semester							
		rerequi			students are highly recommended to complete module o8-MBC-FPV in the same semester.							
		oants ar of place		12 Chaul	d the number of	applications avecage the number of available pl	acos placos will be alle	esated asserting to the number				
	Cation	oi piace	:5		ould the number of applications exceed the number of available places, places will be allocated according to the number subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting							
						and places re-allocated by lot as they become						
<b>Compulsory Electiv</b>												
Students must sele												
Focus Expert Key Q	ualificat	tions (p	ractice or	iented <u>:</u>	(40 ECTS credits	)						
Subfield Research	oriented	l Project	ts (30 EC1	'S cred	its)							
o8-MBC-	Assista	nce in <sub>I</sub>	practical (	course	5 2							
AWA2-152-m01	ECTS	5	Duration	1	1 semester	Method of grading (not) successfully com	pleted Modul level	graduate				
	Course		_		urses assigned to							
	Method	d of ass	essment			ing student lab courses: assessment to be suc	cessfully completed (ty	pe and length of assessment to				
						inning of the course) nt: German or English						
08-MBC-LP1-152-	Practic	al lab c	OURSE 1	Lange	auge of assessine	nt. definant of English						
mo1		15	Duration		1 semester	Method of grading (not) successfully com	pleted   Modul level	graduate				
	Course		) = a. a		urses assigned to	, , , , , , , , , , , , , , , , , , , ,	, moder to tet	3.44440				
			essment	nt   a) log (approx. 20 pages) or								
				b) oral examination of one candidate each (approx. 20 minutes) or								
			c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes)									
				Language of assessment: German or English								
				Duration of practical course: no less than 8 weeks.								

08-MBC-LP2-152-	Practica	al lab co	ourse 2										
mo1	ECTS	15	Duration	1	1 semester	Method of gradi	ing (not) successfully	completed	Modul level	graduate			
	Courses	5		No co	urses assigned to	module							
	Method	of ass	essment		(approx. 20 page								
							(approx. 20 minutes)						
						groups (groups of 2: pprox. 15 to 30 minu	approx. 30 minutes, g	roups of 3: a	approx. 40 mini	utes) or			
						nt: German or Englis							
	Addition	nal Info	rmation		uration of practical course: no less than 8 weeks.								
08-MBC-LP3-152-	Practica	al lab co	ourse 3										
mo1	ECTS	10	Duration	1	1 semester	Method of gradi	ing (not) successfully	completed	Modul level	graduate			
	Courses	5		No co	courses assigned to module								
	Method	hod of assessment a) log (approx. 20 pages) or											
		b) oral examination of one candidate each (approx. 20 minutes) or											
					ral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or resentation/talk (approx. 15 to 30 minutes)								
						nt: German or Englis							
	Addition	nal Info	rmation	Durat	ion of practical co	urse: no less than 6	weeks.		,				
08-MBC-LP4-152-	Practical lab course 4												
mo1	ECTS	10	Duration	า	1 semester	Method of gradi	ing (not) successfully	completed	Modul level	graduate			
	Courses	5		No co	o courses assigned to module								
	Method	of asso	essment	a) log	(approx. 20 page	s) or							
							(approx. 20 minutes) of approx. 30 minutes, g		annrov (o mini	itas) or			
						pprox. 15 to 30 minu		Toups of 3. a	approx. 40 mm	ates) of			
						nt: German or Englis							
	Addition	nal Info	rmation	Durat	ion of practical co	urse: no less than 6	weeks.						
o8-MBC-LP5-152-	Practica	al lab co	ourse 5										
mo1	ECTS	5	Duration	1	1 semester	Method of gradi	ing (not) successfully	completed	Modul level	graduate			
	Courses	6		No co	urses assigned to	module							
ı				ethod of assessment a) log (approx. 20 pages) or									
	Method	of asse	essment										
	Method	of ass	essment	b) ora	l examination of c	one candidate each	(approx. 20 minutes) o		annrov (a million	utos) or			
	Method	of ass	essment	b) ora c) ora	ll examination of c l examination in g	one candidate each groups of 2:	approx. 30 minutes, g		approx. 40 mini	utes) or			
	Method	of asso	essment	b) ora c) ora d) pre	al examination of c l examination in g esentation/talk (ap	one candidate each	approx. 30 minutes, g utes)		approx. 40 mini	utes) or			

08-MBC-LP6-152-	Practical lab course 6											
mo1	ECTS	5	Duration		1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Course	S		No co	urses assigned to	module		•				
	Method	l of ass	essment	b) ora c) ora d) pre	l examination in gr sentation/talk (ap	ne candidate each (app	rox. 20 minutes) or rox. 30 minutes, groups of 3	: approx. 40 min	utes) or			
	Additio	nal Info	rmation	Durat	on of practical cou	ırse: no less than 3 wee	ks.					
08-MBC-WR2-152-	Scienti	fic lectu	ıring M2									
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Course											
	Method	l of ass	essment	Preparing and supervising study groups: assessment to be successfully completed (type and length of assessment to be specified at the beginning of the course)  Language of assessment: German or English								
08-MBC-AP1-152-	Practic	al cours	e - abroa									
mo1	ECTS	30	Duration	า		Method of grading	(not) successfully complete	d Modul level	graduate			
	Course	S		No co	urses assigned to	module						
	Method	l of ass	essment	b) ora c) ora d) pre	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English							
	Additio	nal Info	rmation	Durat	ion of practical cou	ırse: no less than 15 we	eks.					
o8-MBC-AP2-152-	Practic	al cours	e - abroa	d 2								
mo1	ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully complete	d Modul level	graduate			
	Course				urses assigned to							
				a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English								
	Additio	nal Info	rmation	Durat	on of practical cou	ırse: no less than 8 wee	PKS.					

o8-MBC-EP1-152-	Practica	l cours	se - extern	al 1				,				
mo1	ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses			No co	urses assigned to m	odule						
	Method	of ass	essment	b) ora c) ora d) pre	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English							
	Addition	nal Info	rmation		ion of practical cours		veeks.					
o8-MBC-EP2-152-	Practica	l cours	se - extern	al 2	,			1				
mo1	ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	- :		No co	urses assigned to m			'				
				b) ora c) ora d) pre Langu	l examination in gro sentation/talk (appi lage of assessment:	e candidate each (a ups (groups of 2: a  rox. 15 to 30 minute German or English		approx. 40 min	utes) or			
	<u> </u>				ion of practical cours	se: no less than 8 w	reeks.					
<b>Subfield Completiv</b>	e Qualifi	cations	(10 ECTS	credit	s)							
03-VTK-152-m01	Animal science and welfare											
	ECTS	3	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses				/ (2) + P (1)							
	Method	of ass	essment		written examination (approx. 90 minutes) Language of assessment: German and/or English							
	other pr	erequi	sites	Regul	Regular attendance of practical course (as specified at the beginning of the course).							
08-ACM2-152-m01	Bioanor	ganic (	Chemistry	'				'				
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (3)								
	Method of assessment		essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
o8-HKM1-152-mo1	Organo-	and B	iocatalysi	is								
	ECTS	5	Duration	1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (3)								
				a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
Master's with 1 major Bio	ala amai atm . (a	a)					IMII Wiirzhurg • generated 18-Anr-2	noas • ovam rog data	record 88 025 - - H 2015			

o8-MBC-	Assista	nce in p	oractical o	course	5 1							
AWA1-152-m01	ECTS	5	Duration	1	1 semester	Method of grading (	(not) successfully completed	Modul level	graduate			
	Course	S		T (o)								
	Method	of ass	essment				wrap-up report (approx. 1 pag	ge)				
				Langu	lage of assessment:	German and/or Englis	sh					
08-MBC-LIT3-152-	Literatu							,				
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) Modu	le taught in: Germar	n or English						
	Method	of ass	essment		oresentation (20 to 40 minutes) anguage of assessment: German and/or English							
08-MBC-WR1-152-	Scienti	Scientific lecturing M1										
mo1	ECTS	5	Duration	1	1 semester	Method of grading (	(not) successfully completed	Modul level	graduate			
	Course	s		T (o)								
	Method	of asso	essment			g study groups, wrap-u German and/or Englis	ip report (approx. 2 pages) sh					
08-OCM-NAT-152-	Moderr	Modern aspects of natural product Chemistry and Biological Chemistry										
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)								
	Method	d of ass	essment			pprox. 45 to 90 minute						
						e candidate each (20 t	to 30 minutes) or ates (15 to 30 minutes per can	didata)				
						German and/or Englis		uluale)				
	Particip cation o			applic	Biochemie (Biochemistry), Master's: 20 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
08-SCM3-152-m01	Bioorga	anic Che	emistry	,				'				
	ECTS	5	Duration	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)								
	Method	d of asso	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

07 MCaDI 452 mad	Dioinfo	rmatica					_	
07-MS2BI-152-m01			1		4 competer	Mothod of avadina house and all avada	Modullanal	are due to
		10	Duratio		1 semester	Method of grading   numerical grade	Modul level	graduate
	Course	S		V (2) -	+ S (1) le taught in: Germaı	a and /or English		
	Mothod	d of acc	essment			o to 60 minutes, including multiple choice question	5) 0"	
	Method	1 01 assi	essment			e candidate each (30 to 60 minutes) or	5) 01	
						oups of up to 3 candidates (30 to 60 minutes)		
				Langu	age of assessment:	German and/or English		
07-MS3S-152-m01	System	s Biolo	gy					
	ECTS	10	Duratio	1	1 semester	Method of grading   numerical grade	Modul level	graduate
	Course	Courses V (2) + S (1) Module taught in: German and/or English						
	Method of assessment a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English							
07-MLS1-152-m01	Method	ls in Lif	e Science	S		· · · · · · · · · · · · · · · · · · ·	1	
	ECTS	10	Duratio	n	1 semester	Modul level	graduate	
	Course	S	V (3) Module taught in: English					
	Method	a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English						e course.
Focus - Expert Key	Qualifica	ations (	40 ECTS o	redits)				
Subfield Research	oriented	Project	s (20 EC1	S cred	its)			
o8-MBC-	Assista	nce in p	oractical (	course	5 2			
AWA2-152-m01	ECTS	5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate
	Course	S		No co	urses assigned to m	iodule		
	Method	hod of assessment Preparing and supervising student lab courses: assessment to be successfully completed (type and length of assessment to be specified at the beginning of the course) Language of assessment: German or English						

o8-MBC-LP1-152-	Practical lab course 1											
mo1	ECTS 15	Duratio	n 1	semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses		No cours	ses assigned to m	nodule		,					
	Method of a	ssessment		pprox. 20 pages)								
						pprox. 20 minutes) or						
					oups (groups of 2: ap erox. 15 to 30 minute:	prox. 30 minutes, groups of 3:	approx. 40 mini	ites) or				
					German or English	5)						
	Additional I	nformation		uration of practical course: no less than 8 weeks.								
08-MBC-LP2-152-	Practical la	course 2										
mo1	ECTS 15	Duratio	n 1	semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses	·	No cours	courses assigned to module								
	Method of a	thod of assessment a) log (approx. 20 pages) or										
		b) oral examination of one candidate each (approx. 20 minutes) or										
				oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or presentation/talk (approx. 15 to 30 minutes)								
					German or English	5)						
	Additional I	nformation	Duration	of practical cour	se: no less than 8 w	eeks.						
o8-MBC-LP3-152-	Practical lab course 3											
mo1	ECTS 10 Duratio		n 1	semester	Method of grading	(not) successfully completed	Modul level	graduate				
	Courses		No cours	o courses assigned to module								
				a) log (approx. 20 pages) or								
	Method of a	ssessment	a) log (a	pprox. 20 pages)	or							
	Method of a	ssessment	b) oral e	xamination of on	e candidate each (ap	oprox. 20 minutes) or	annes (a min	,too) ov				
	Method of a	ssessment	b) oral e	xamination of on xamination in gro	e candidate each (ap oups (groups of 2: ap	prox. 30 minutes, groups of 3:	approx. 40 minu	utes) or				
	Method of a	ssessment	b) oral e c) oral e d) prese	xamination of on xamination in gro ntation/talk (app	e candidate each (ap	prox. 30 minutes, groups of 3:	: approx. 40 minu	ites) or				
	Method of a		b) oral e c) oral e d) prese Languag	xamination of on xamination in gro ntation/talk (app se of assessment:	e candidate each (ap oups (groups of 2: ap orox. 15 to 30 minute:	prox. 30 minutes, groups of 3: s)	: approx. 40 minu	ites) or				
08-MBC-LP4-152-		nformation	b) oral e c) oral e d) prese Languag	xamination of on xamination in gro ntation/talk (app se of assessment:	e candidate each (ap pups (groups of 2: ap rox. 15 to 30 minute : German or English	prox. 30 minutes, groups of 3: s)	approx. 40 minu	ites) or				
08-MBC-LP4-152- m01	Additional I	nformation	b) oral e c) oral e d) prese Languag Duration	xamination of on xamination in gro ntation/talk (app se of assessment:	e candidate each (appups (groups of 2: appups (groups of 1: appups of 2: appups of 5: appups of	prox. 30 minutes, groups of 3: s)		graduate				
, -	Additional I	nformation course 4	b) oral e c) oral e d) prese Languag Duration	xamination of on xamination in gro ntation/talk (app ge of assessment n of practical cour	e candidate each (appups (groups of 2: appups (groups of 2: appups of 3: appups of	prox. 30 minutes, groups of 3: s) eeks.						
, -	Additional I Practical lal ECTS 10 Courses	nformation course 4 Duratio	b) oral e c) oral e d) prese Languag Duration  No cours a) log (a	xamination of on xamination in ground in groun	e candidate each (appups (groups of 2: appups of 2: appurs 15 to 30 minutes German or English se: no less than 6 with Method of grading nodule	prox. 30 minutes, groups of 3: s) eeks. (not) successfully completed						
, -	Additional I Practical lal ECTS 10 Courses	nformation course 4 Duratio	b) oral e c) oral e d) prese Languag Duration  No cours a) log (a b) oral e	xamination of on xamination in ground in groun	e candidate each (appups (groups of 2: appups (groups of 2: appups of 2: appups of 3: appups of	prox. 30 minutes, groups of 3:  eeks.  (not) successfully completed oprox. 20 minutes) or	d   Modul level	graduate				
, -	Additional I Practical lal ECTS 10 Courses	nformation course 4 Duratio	b) oral e c) oral e d) prese Languag Duration  No cours a) log (a b) oral e c) oral e	xamination of on xamination in grountation/talk (apple of assessments of practical coursements assigned to make assigned to m	e candidate each (appups (groups of 2: appups . 15 to 30 minutes German or English rese: no less than 6 worden Method of grading nodule or e candidate each (appups (groups of 2: appups of	prox. 30 minutes, groups of 3:  eeks.  (not) successfully completed oprox. 20 minutes) or prox. 30 minutes, groups of 3:	d   Modul level	graduate				
, -	Additional I Practical lal ECTS 10 Courses	nformation course 4 Duratio	b) oral e c) oral e d) prese Languag Duration  No cours a) log (a b) oral e c) oral e d) prese	xamination of on xamination in grountation/talk (apport of assessments of practical courses essassigned to make a sassigned to make a sassigned to make a sassigned to make a samination of on xamination in grountation/talk (apport of a samination/talk (apport of a samination)	e candidate each (appups (groups of 2: appups (groups of 2: appups of 2: appups of 3: appups of	prox. 30 minutes, groups of 3:  eeks.  (not) successfully completed oprox. 20 minutes) or prox. 30 minutes, groups of 3:	d   Modul level	graduate				

08-MBC-LP5-152-	Practica	al lab co	ourse 5						-	
mo1	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Courses	S		No co	urses assigned to m	odule				
	Method	l of asse	essment	b) ora c) ora d) pre	l examination in gro	e candidate each (ap ups (groups of 2: app rox. 15 to 30 minutes	prox. 20 minutes) or orox. 30 minutes, groups of 3: a )	approx. 40 minu	utes) or	
	Additio	nal Info	rmation	Durat	Duration of practical course: no less than 3 weeks.					
o8-MBC-LP6-152-	Practica	al lab co	ourse 6							
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Courses	ourses No courses assigned to module								
	Method	l of asse	essment	b) ora c) ora d) pre	a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English					
	Additio	nal Info	rmation	Durat	ion of practical cour	se: no less than 3 we	eks.			
08-MBC-WR2-152-	Scienti	fic lectu	ring M2							
mo1	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate	
	Courses	S		No co	urses assigned to m	nodule				
	Method	l of asse	assessment  Preparing and supervising study groups: assessment to be successfully completed (type and length of assessmen cified at the beginning of the course)  Language of assessment: German or English					d length of assessment to be spe-		
08-MBC-AP1-152-	Practica	al cours	e - abroa	d 1						
mo1	ECTS	30	Duration	1		Method of grading	(not) successfully completed	Modul level	graduate	
	Courses	S		No co	urses assigned to m	rodule				
				a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English  Duration of practical course: no less than 15 weeks.					utes) or	
	Additio	nat iiil0	imation	Duidl	ion of practical cour	se. no less man 15 W	CCN3.	1		

Practica	Practical course - abroad 2											
ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully comp	pleted	Modul level	graduate			
Courses	S		No co	o courses assigned to module								
Method	of ass	essment										
Additio	nal Info	rmation	Durat									
Practica	al cours	se - extern	al 1									
ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully comp	pleted	Modul level	graduate			
Courses	S		No co	o courses assigned to module								
Method	d of ass	essment										
							s of o. on	nvov vo minu	,tas) av			
						<b>5</b> )						
Additio	nal Info	rmation	Durat	ion of practical co	urse: no less than 8 w	eeks.						
Practical course - external 2												
ECTS	15	Duration	1	1 semester	Method of grading	(not) successfully comp	pleted	Modul level	graduate			
Courses	S		No co	urses assigned to	module							
Method of assessment												
			Language of assessment: German or English									
Additio	nal Info	rmation	Duration of practical course: no less than 8 weeks.									
e Qualifi	ications	(20 ECTS	credi	ts)								
Human	genetic	CS										
ECTS	10	Duration	1	2 semester	Method of grading	numerical grade		Modul level	graduate			
Courses	S		V (2) + S (2)									
Method	of ass	essment										
							ner candi	date)				
	Addition Practicate ECTS Course Method Addition Course Course Course Course Course Course Course	ECTS 15  Courses  Method of ass  Additional Info  Practical courses  Method of ass  Additional Info  Practical course  ECTS 15  Courses  Method of ass  Additional Info  Practical course  ECTS 15  Courses  Method of ass  Additional Info  Practical courses  Method of ass  Additional Info  Courses  Additional Info  Te Qualifications  Human genetic  ECTS 10  Courses	ECTS 15 Duration  Courses  Method of assessment  Additional Information  Practical course - extern  ECTS 15 Duration  Courses  Method of assessment  Additional Information  Practical course - extern  ECTS 15 Duration  Courses  Method of assessment  Additional Information  re Qualifications (20 ECTS  Human genetics  ECTS 10 Duration  Courses	ECTS 15 Duration  Courses No co  Method of assessment a) log b) ora c) ora d) pre Langu  Additional Information Durat  Practical course - external 1  ECTS 15 Duration  Courses No co  Method of assessment a) log b) ora c) ora d) pre Langu  Additional Information Durat  Practical course - external 2  ECTS 15 Duration  Courses No co  Method of assessment a) log b) ora c) ora d) pre Langu  Additional Information Durat  Practical course - external 2  ECTS 15 Duration  Courses No co  Method of assessment a) log b) ora c) ora d) pre Langu  Additional Information Durat  Practical course - external 2  ECTS 15 Duration  Courses No co  Method of assessment a) log b) ora c) ora d) pre Langu  Additional Information Durat  Practical course - external 2  ECTS 10 Duration  Courses V (2) - Modu  Method of assessment a) wri b) ora c) ora c) ora	Courses	Courses	ECTS   15	ECTS   15   Duration   1 semester   Method of grading   (not) successfully completed	ECTS   15   Duration   1 semester   Method of grading   (not) successfully completed   Modul level			

03-VTK-152-m01	Animal	science	and welf	fare								
	ECTS	3	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate			
	Courses	5		V (2) -	V(2) + P(1)							
	Method	of asso	essment		written examination (approx. 90 minutes)							
			-		Language of assessment: German and/or English							
0.4644	other p			Regular attendance of practical course (as specified at the beginning of the course).								
08-ACM2-152-m01						NA .    C	1.0 1.11 1					
	ECTS	5	Duration	,	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (3)								
	Method	or asso	essment			prox. 45 to 90 minut candidate each (20						
				c) ora	l examination in gro	ups of up to 3 candid	lates (15 to 30 minutes per can	didate)				
				Langu	age of assessment:							
08-HKM1-152-m01		- and B	iocatalys									
	ECTS	5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses			S (3)								
	Method	l of asso	essment		a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or							
					c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate)							
					Language of assessment: German and/or English							
o8-MBC-	Assista	nce in p	oractical o	course	ourses 1							
AWA1-152-m01	ECTS	5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	5		T (o)								
	Method	l of asso	essment	Preparing and supervising student lab courses, wrap-up report (approx. 1 page)								
O MDC LIT				Langu	Language of assessment: German and/or English							
08-MBC-LIT3-152- mo1	Literatu		*			NA - 4   - 4   - 6 1   1		1 0 0 1 - 1 1	I ama da ata			
IIIOI		5	Duration		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Courses	5		S (2) Modu	le taught in: German	or Fnølish						
	Method	l of assi	essment		ntation (20 to 40 mi				-			
	Method of assessment				Language of assessment: German and/or English							
08-MBC-WR1-152-	Scientif	fic lectu	ring M1					'				
mo1		5	Duration	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Courses	5	,	T (o)	•		·					
	Method	of asso	essment	Prepa	ring and supervising	study groups, wrap-	up report (approx. 2 pages)					
				Langu	age of assessment:	German and/or Engl	ish					

Mode	rn aspect	s of natu	ral pro	al product Chemistry and Biological Chemistry							
ECTS	5	Duratio	n	1 semester	Method of grading	numerical grade	Modul level	graduate			
Cours	es	,	S (3)	5 (3)							
Metho	od of asse	essment									
			Language of assessment: German and/or English								
			applic	Biochemie (Biochemistry), Master's: 20 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.							
Bioor	ganic Che	mistry					,				
ECTS	5	Duratio	<u> </u>	1 semester	Method of grading	numerical grade	Modul level	graduate			
Cours	es		S (3)				-				
Metho	od of asse	essment					·				
Tumor Genetics											
ECTS 5 Duratio		1	1 semester	Method of grading	numerical grade	Modul level	graduate				
Cours	es		V (1) + S (1) Module taught in: English								
Metho	od of asse	essment									
							per candidate) or				
			e) pre	e) presentation (20 to 40 minutes)							
			Language of assessment: German and/or English								
							1				
ECTS 10 Duration				Method of grading	numerical grade	Modul level	graduate				
Courses				V (2) + S (1) Module taught in: German and/or English							
Metho	od of asse	essment					uestions) or				
							`				
							)				
	Partic cation  Bioors  ECTS  Cours  Method  Tumo  ECTS  Cours  Method  Bioinf  ECTS  Cours	ECTS 5  Courses  Method of assertion of place  Bioorganic Chee  ECTS 5  Courses  Method of assertion of asser	ECTS 5 Duration  Courses  Method of assessment  Participants and allocation of places  Bioorganic Chemistry  ECTS 5 Duration  Courses  Method of assessment  Tumor Genetics  ECTS 5 Duration  Courses  Method of assessment  Bioinformatics  ECTS 10 Duration	ECTS 5 Duration  Courses S (3)  Method of assessment a) write b) oracle courses  Participants and allocation of places  Bioorganic Chemistry  ECTS 5 Duration  Courses S (3)  Method of assessment a) write b) oracle courses  ECTS 5 Duration  Courses V (1) + Modu  Method of assessment a) write b) log c) oracle course course a) write c) oracle course course course a) write c) oracle course course a) write course course course course a) write course	ECTS 5 Duration 1 semester  Courses S (3)  Method of assessment allo-cation of places Bioorganic Chemistry  ECTS 5 Duration 1 semester  Courses S (3)  Bioorganic Chemistry  ECTS 5 Duration 1 semester  Courses S (3)  Method of assessment allo-cated by lot	ECTS   5   Duration   1 semester   Method of grading    Courses   S (3)    Method of assessment   a) written examination (approx. 45 to 90 minut b) oral examination in groups of up to 3 candic Language of assessment: German and/or Engl    Participants and allocation of places   Biochemie (Biochemistry), Master's: 20 places applicants with the same number of subject seplaces re-allocated by lot as they become avail    Bioorganic Chemistry   1 semester   Method of grading    Courses   S (3)    Method of assessment   3 written examination (approx. 45 to 90 minut b) oral examination of one candidate each (20 c) oral examination in groups of up to 3 candic Language of assessment: German and/or Engl    Tumor Genetics   V (1) + S (1)   Module taught in: English    Method of assessment   a) written examination (approx. 45 to 90 minut b) log (20 to 30 pages) or c) oral examination of one candidate each (20 d) oral examination in groups of up to 3 candic examination in groups of up to 3 candic examination (20 to 40 minutes)   Language of assessment: German and/or Engl    Bioinformatics   V (2) + S (1)   Module taught in: German and/or English    Method of assessment   3 written examination (30 to 60 minutes, inclic c) oral examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination of one candidate each (30 d) oral examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination of one candidate each (30 d) oral examination in groups of up to 3 candic examination	Courses S (3)  Method of assessment alloward each (20 to 30 minutes) or b) oral examination in groups of up to 3 candidates (15 to 30 minutes) examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes) examination of places applicants with the same number of subject semesters, places will be places re-allocated by lot as they become available.  Bioorganic Chemistry  ECTS   5   Duration   1 semester   Method of grading   numerical grade    Courses   S (3)  Method of assessment   a) written examination (approx. 45 to 90 minutes) or b) oral examination in groups of up to 3 candidates (15 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes) examination in groups of up to 3 candidates (15 to 30 minutes) examination of one candidate each (20 to 30 minutes) or c) oral examination (approx. 45 to 90 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes) examination of one candidate each (20 to 30 minutes) or c) oral examination of one candidate each (20 to 30 minutes) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes) or 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) examination (20 to 40 minutes) examination (20 to 40 minutes) examination (20 to 40 minutes)  Bioinformatics  ECTS   10   Duration   1 semester   Method of grading   numerical grade    Courses   V (2) + S (1)   Module taught in: German and/or English    Method of assessment   a) written examination (30 to 60 minutes, including multiple choice q c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination of one candidate each (30 to 60 minutes) or d) oral examination of one candidate each (30 to 60 minutes) or d) oral examination of one candidate each (30 to 60 minutes) or d) oral examination of one candidate each (30 to 60 minutes)	ECTS   5   Duration   1 semester   Method of grading   numerical grade   Modul level    Courses   S (3)   Method of assessment   3 written examination (approx. 45 to 90 minutes) or b) oral examination in groups of up to 3 candidates (15 to 30 minutes) per candidate)   Language of assessment: German and/or English    Biochemic (Biochemistry), Master's: 20 places. Places will be allocated according to the nur applicants with the same number of subject semesters, places will be allocated by lot. A way places re-allocated by lot as they become available.  Bioorganic Chemistry   S (3)   Since   S (3)    Method of assessment   S (3)   Since   S (3)   Since   S (3)    Method of assessment   S (3)   Since   S (3)   S			

07-MS3S-152-m01	Systen	Systems Biology												
	ECTS	10	Duration	า	1 semester	Method of grading nume	rical grade	Modul level	graduate					
	Course	S			V (2) + S (1) Module taught in: German and/or English									
	Method	d of ass	sessment	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-MLS1-152-m01	Metho	Methods in Life Sciences												
	ECTS	10	Duration	า	1 semester	Method of grading nume	rical grade	Modul level	graduate					
	Course	S		V (3) Modu	/ (3) Module taught in: English									
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English										
Focus - Expert Key	Qualific	ations (	project or	iented	) (40 ECTS credits)									
Subfield Project at	tendant	Module	es (30 ECT	S credi	its)									
o8-MBC-	Excurs	ion 1												
FTEX1-152-m01	ECTS	5	Duration	1	1 semester	Method of grading (not)	successfully completed	Modul level	graduate					
	Courses			E (1) Module taught in: German or English										
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English										
	other p	rerequ	isites	Pleas	e consult with deg	ree programme coordinator i	n advance.							

o8-MBC-	Excursion 2	'				<u>'</u>				
FTEX2-152-m01	ECTS 5	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses	<del></del> ,	E (1)							
				Module taught in: German or English						
	Method of ass	sessment	a) wri	tten examination (	approx. 45 to 90 minutes) or					
				o) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or						
				d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English Please consult with degree programme coordinator in advance.						
	-1									
	other prerequ									
o8-MBC- FTKP1-152-mo1				poster presentatio		T.,				
F1KP1-152-11101	ECTS 5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		R (o)	la taught in Carm	an ar English					
	Mothod of ac	coccmont		le taught in: Germ	an or English					
	Method of ass	sessillelli		Poster (1 page) Language of assessment: German and/or English						
	other prerequ	isites		Please consult with degree programme coordinator in advance.						
o8-MBC-				poster presentation			_			
FTKP2-152-m01	ECTS 5	Duratio		1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses		R (o) Modu	le taught in: Germ	an or English					
	Method of ass	sessment	Poste	Poster (1 page) Language of assessment: German and/or English						
	other prerequ	isites	Please consult with degree programme coordinator in advance.							
o8-MBC-	Conference pa	articipatio	n with	'						
FTKV1-152-m01	ECTS 10	Duratio	n	1 semester Method of grading (not) successfully completed Modul level graduate						
	Courses	·	R (o) Module taught in: German or English							
	Method of ass	sessment	presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other prerequ	isites	Please consult with degree programme coordinator in advance.							
o8-MBC-	Conference pa	articipatio	n with lecture 2							
FTKV2-152-m01	ECTS 10	Duratio	n	1 semester	Method of grading (not) successfully completed	Modul level	graduate			
	Courses	·	R (o) Module taught in: German or English							
	Method of ass	sessment	presentation (20 to 40 minutes) Language of assessment: German and/or English							
	other prerequ	isites	Please consult with degree programme coordinator in advance.							
Macter's with 1 major F				-	IMII Wiirzburg • generated 18-Apr. 20		record 88 oar LLHI 2015 page 20 / 25			

o8-MBC-FT-	Assista	Assistance in practical courses 1											
PB1-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed Modul level graduate							
	Course	S		T (o) Modu	T (o) Module taught in: German or English								
	Method	Method of assessment			Preparing and supervising student lab courses, wrap-up report (approx. 1 page) anguage of assessment: German and/or English								
o8-MBC-FT-	Assista	Assistance in practical courses 2											
PB2-152-m01	ECTS	5	Duratio	n	1 semester	Method of grading (not) successfully completed   Modul level   graduate							
	Course	S		T (o) Modu	le taught in: Germar	an or English							
	Method	d of ass	essment			ng student lab courses, wrap-up report (approx. 1 page) t: German and/or English							
o8-MBC-FT-	Semina	ar 1											
SE1-152-m01	ECTS 5 Duratio		n	1 semester	Method of grading (not) successfully completed Modul level graduate								
	Course	Courses			S (2) Module taught in: German or English								
	Method	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English								
	other p	rerequi	sites	Pleas	Please consult with degree programme coordinator in advance.								
o8-MBC-FT-	Semina	ar 2											
SE2-152-m01	ECTS	5	Duratio		1 semester	Method of grading (not) successfully completed   Modul level   graduate							
	Course	S		S (2) Modu	S (2) Module taught in: German or English								
		Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English								
	other p	rerequi	sites	Pleas	e consult with degre	ree programme coordinator in advance.							

o8-MBC-FT-	Seminar	3	1							
SE3-152-m01	ECTS 5	Duratio	on	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses	·	S (2)	S (2) Module taught in: German or English						
	Method o	of assessment								
	Method	n assessinein		a) written examination (approx. 45 to 90 minutes) or b) log (20 to 30 pages) or						
				c) oral examination of one candidate each (20 to 30 minutes) or						
				d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
	other pre	requisites	Pleas	e consult with deg	ree programme coordi	nator in advance.				
o8-MBC-	Special le	ectures 1								
FTSV1-152-m01	ECTS 5	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses		V (2) Modu	ıle taught in: Germa	an or English					
	Method o	of assessment			approx. 45 to 90 minu	es) or				
			c) ora	b) log (20 to 30 pages) or c) oral examination of one candidate each (20 to 30 minutes) or						
			d) ora	d) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) or						
				e) presentation (20 to 40 minutes) Language of assessment: German and/or English						
	other pre	requisites			ree programme coordi			_		
o8-MBC-	Special le		rteus	- consult with deg	ree programme coords	ideor in davance.	"			
FTSV2-152-m01	ECTS 5	7	on	1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses		V (2) Modu	ıle taught in: Germ	an or English					
:	Method o	of assessment		a) written examination (approx. 45 to 90 minutes) or						
				b) log (20 to 30 pages) or						
			d) 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) pre	e) presentation (20 to 40 minutes)						
		,		Language of assessment: German and/or English						
	<u>-</u> -	requisites	Pleas	Please consult with degree programme coordinator in advance.						
08-MBC-	Worksho									
FTWS1-152-m01	ECTS 5	Duratio		1 semester	Method of grading	(not) successfully completed	Modul level	graduate		
	Courses			R (o) Module taught in: German or English						
	Method o	of assessment		Wrap-up report (approx. 2 pages) Language of assessment: German and/or English						
	other pre	requisites			ree programme coordi					
							-			

o8-MBC-	Worksh	10p 2										
FTWS2-152-m01	ECTS	5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses	S	`	R (o) Modu	R (o) Module taught in: German or English							
	Method	l of ass	essment		Wrap-up report (approx. 2 pages) Language of assessment: German and/or English							
	other p	rerequi	sites	Pleas	Please consult with degree programme coordinator in advance.							
o8-MBC-	Worksh	10p 3										
FTWS3-152-m01	ECTS	5	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	graduate				
	Courses	S		R (o) Modu	le taught in: Germa	n or English						
	Method	d of ass	essment		rap-up report (approx. 2 pages) Inguage of assessment: German and/or English							
	other p	rerequi	sites	Pleas	e consult with degr	ee programme coordinator in advance.						
<b>Subfield Completiv</b>	e Qualifi	ications	s (10 ECTS	credit	s)							
03-VTK-152-m01	Animal	science	e and wel	fare								
	ECTS	3	Duratio	1	1 semester	Method of grading (not) successfully completed	Modul level	undergraduate				
	Courses	S		V (2)	+ P (1)							
	Method	d of ass	essment		vritten examination (approx. 90 minutes) .anguage of assessment: German and/or English							
	other p	rerequi	sites	Regul	Regular attendance of practical course (as specified at the beginning of the course).							
08-ACM2-152-m01	Bioano	rganic (	Chemistry	,								
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	S		S (3)	5 (3)							
	Method	l of ass	essment	a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
08-HKM1-152-m01	Organo	- and B	iocatalys	is								
	ECTS	5	Duratio	1	1 semester	Method of grading numerical grade	Modul level	graduate				
	Courses	S		S (3)	_							
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

o8-MBC-	Assista	nce in p	oractical o	course	5 1							
AWA1-152-mo1	ECTS	5	Duratio	1	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	S		T (o)	(0)							
	Method	of ass	essment		Preparing and supervising student lab courses, wrap-up report (approx. 1 page)							
				Langu	Language of assessment: German and/or English							
08-MBC-LIT3-152-	Literatu											
mo1	ECTS	5	Duratio		1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (2) Modu	le taught in: Germar	n or English						
	Method	d of asso	essment		ntation (20 to 40 mi	inutes) : German and/or Englis	sh					
08-MBC-WR1-152-	Scienti	fic lectu	ring M1	•								
mo1	ECTS	5	Duration	n	1 semester	Method of grading	(not) successfully completed	Modul level	graduate			
	Course	s		T (o)	(0)							
	Method	Method of assessment			Preparing and supervising study groups, wrap-up report (approx. 2 pages) Language of assessment: German and/or English							
08-OCM-NAT-152-	Moderr	Modern aspects of natural product Chemistry and Biological Chemistry										
mo1	ECTS	5	Duratio	า	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)								
	Method	of ass	essment	a) written examination (approx. 45 to 90 minutes) or								
				b) oral examination of one candidate each (20 to 30 minutes) or								
				c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								
	Particip cation o			Biochemie (Biochemistry), Master's: 20 places. Places will be allocated according to the number of subject semesters. Among applicants with the same number of subject semesters, places will be allocated by lot. A waiting list will be maintained and places re-allocated by lot as they become available.								
08-SCM3-152-m01	Bioorga	anic Che	emistry	,				,				
	ECTS 5 Duratio			1	1 semester	Method of grading	numerical grade	Modul level	graduate			
	Course	S		S (3)								
	Method of assessment			a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English								

07-MS2BI-152-m01	Bioinfo	rmatics							-			
	ECTS	10	Duration	ı	1 semester	Method of grading   numerical gr	ade	Modul level	graduate			
	Course	S			V (2) + S (1) Module taught in: German 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-MS3S-152-m01	System	ns Biolo	gy									
	ECTS	10	Duration	ı	1 semester	Method of grading   numerical gr	ade	Modul level	graduate			
	Course	S		V (2) - Modu		nan 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-MLS1-152-m01	Methods in Life Sciences											
	ECTS 10 Duration			ı	1 semester	Method of grading numerical gr	ade	Modul level	graduate			
	Course	S		V (3) Module taught in: English								
	Method of assessment			a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English								
Thesis Area (30 EC)	S credi	ts)										
o8-MBC-KOLL-152-	Final C	olloquiu	ım									
mo1	ECTS	5	Duration	า	1 semester	Method of grading numerical gr	ade	Modul level	graduate			
	Course	·S		K (o)	((0)							
	Method	d of asse	essment	final colloquium (approx. 45 minutes) Language of assessment: German and/or English								
o8-MBC-MA-152-	Master	r-Thesis			''							
mo1	ECTS	25	Duration	ı	1 semester	Method of grading   numerical gr	ade	Modul level	graduate			
	Course	·S		No co	urses assigned to	module						
	Method	d of asse	essment	Maste Langu	er's thesis (appro uage of assessme	x. 60 pages) nt: German or English						
	Additio	nal Info	rmation	Time	to complete: 6 m	onths.						