

## Annex SFB

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

Responsible: Faculty of Medicine

Responsible: Faculty of Biology

Examination regulations version: 2015

Examination regulations version: 2015

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

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

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

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

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

Conventions for the modules in this SFB: Unless otherwise stated, courses and assessments will be held in German, assessments will be offered every semester and modules are not creditable for bonus.

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

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

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

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

**ASPO2015**

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

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

**06-Dec-2017 (2017-70)**

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

Every module will be described using the following form:

Abbreviation	<b>Module title</b>						
	ECTS		Duration	(in semesters)	Method of grading		Module level
	Courses	To be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y					
	Method of assessment						
	Only after successful completion of	if applicable					
	Other prerequisites	if applicable					
	Participants and allocation of places	if applicable					
	Additional information	if applicable					
	Referred to in LPO I	if applicable (examination regulations for teaching-degree programmes)					

Compulsory Courses (110 ECTS credits)								
Modules Biology (20 ECTS credits)								
07-ZE-ORG-152-m01	Basics of Biology - From Cells to Organisms							
	ECTS	7	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (1.5) + V (1.5) + V (2) + Ü (3)					
	Method of assessment		written examination (approx. 60 minutes) creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
07-PHYORG-152-m01	Physiology of Organisms							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (1) + V (1) + V (1) + Ü (2)					
	Method of assessment		written examination (approx. 60 minutes) creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
07-GE-NEU-152-m01	Genetics and Neurobiology							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (2) + Ü (1.5)					
	Method of assessment		written examination (60 to 90 minutes) creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: exercises. Regular attendance of exercises (minimum 80%) and successful completion of the respective exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
07-3A3EBIO-TI-152-m01	Developmental Biology of Animals							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (1) + Ü (3)					
	Method of assessment		written examination (approx. 60 minutes) creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: exercises. Regular attendance (minimum 80%) and successful completion of exercises (approx. 25 to 30 hours) are prerequisites for admission to assessment.					
	Referred to in LPO I		§ 61 I Nr. 5					

Modules Chemistry (12 ECTS credits)								
o8-CH-BM-152-m01	General Chemistry for Students of Biomedicine							
	ECTS	8	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (2) + V (2) + P (5)						
	Method of assessment	written examination (approx. 120 minutes) and assessment of practical skills during lab course (ungraded): Vortestate/Nachtestate (pre and post-experiment oral exams; approx. 15 minutes each) and log (approx. 3 to 5 pages) Assessment offered: Once a year, summer semester						
o8-OC-BM-152-m01	Advanced Organic Chemistry for Students of Biomedicine							
	ECTS	4	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (3)						
	Method of assessment	a) written examination (90 to 180 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (approx. 30 minutes)						
Modules Physics (10 ECTS credits)								
11-EFNF-152-m01	Introduction to Physics for Students of other Disciplines							
	ECTS	7	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (4) + V (3)						
	Method of assessment	written examination (60 to 120 minutes)						
	Additional Information	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter d) and No. I 1st letter d) of annex 1 to the APOLmCh and No. 4 of annex 2 to the APOLmCh Qualification goal: scientific competences						
11-PFNF-152-m01	Laboratory Course Physics for Students of other Disciplines							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (4)						
	Method of assessment	a) practical assignment with oral test (approx. 15 minutes, during experiments) and b) written examination (approx. 90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.						
	Participants and allocation of places	Only as part of pool of general transferable skills (ASQ): 10 places (lottery)						
	Additional Information	according to § 2 para. 2 sentence 2 APOLmCh in conjunction with No. I 2nd letter d) and No. I 1st letter d) of annex 1 to the APOLmCh and No. 4 of annex 2 to the APOLmCh Qualification goal: scientific competences						
Modules Mathematics/Statistics (5 ECTS credits)								
10-M-STAB-152-m01	Statistics for Students of natural sciences and biomedicine							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (2) + Ü (2)						
	Method of assessment	written examination (90 to 120 minutes)						
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Modules Biochemistry and Molecular Biology (20 ECTS credits)								
03-98-BCH-152-m01	Basic Biochemistry and Molecular Biology							
	ECTS	10	Duration	2 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (5) + S (4) + Ü (4)					
	Method of assessment		written examination (45 to 90 minutes) creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: presentations.					
03-98-BCHF-152-m01	Advanced Biochemistry and Molecular Biology							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (4) + S (1) + Ü (6) Module taught in: German and/or English					
	Method of assessment		written examination (60 to 90 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate). creditable for bonus					
	other prerequisites		Admission prerequisite to assessment: presentations.					
Modules Anatomy and Pathology (15 ECTS credits)								
03-98-ANA-1-152-m01	Anatomy and Cell Biology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (3) + S (2) + Ü (2)					
	Method of assessment		written examination (60 to 90 minutes) Assessment offered: Once a year, winter semester					
03-98-ANA-2-152-m01	Histology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (1) + P (5)					
	Method of assessment		written examination (approx. 60 minutes) and assessment of practical skills (approx. 60 minutes), weighted 1:2 Assessment offered: Once a year, summer semester					
03-98-APA-152-m01	General Pathology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (3) + P (1)					
	Method of assessment		written examination (60 to 90 minutes) and successful completion of practical exercises (ungraded)					

Modules Physiology (10 ECTS credits)								
03-98-PHY1-152-m01	Human Physiology 1							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (3) + Ü (2)						
	Method of assessment	written examination (approx. 60 minutes) Assessment offered: Once a year, winter semester						
03-98-PHY2-152-m01	Human Physiology 2							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (3) + Ü (2)						
	Method of assessment	written examination (approx. 60 minutes) Assessment offered: Once a year, summer semester						
Modules Pharmacology and Toxicology (5 ECTS credits)								
03-98-APT-152-m01	Pharmacology and Toxicology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (5)						
	Method of assessment	written examination (45 to 60 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate).						
Modules Microbiology, Virology and Immunology (5 ECTS credits)								
03-98-MVI-152-m01	General Microbiology, Virology, Immunology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (1.5) + V (1.5) + V (1.5)						
	Method of assessment	written examination (approx. 90 minutes) If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (20 to 30 minutes) or an oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate).						
Modules Advanced Lab Course (8 ECTS credits)								
03-98-IPP-152-m01	Project Work in a Research Laboratory							
	ECTS	8	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	R (12) Module taught in: German/English						
	Method of assessment	presentation (20 to 30 minutes) as well as log (10 to 15 pages) or, where applicable, project proposal (approx. 5 pages) Language of assessment: German or English						
	other prerequisites	Prior approval from degree programme coordinator required.						
	Additional Information	Additional information on module duration: 6 to 8 weeks.						

Compulsory Electives (35 ECTS credits)								
Compulsory Electives Cell Biology, Genetics and Neurobiology (10 ECTS credits)								
03-98-PZB-152-m01	Cell Biology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		P (5) + S (1) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.					
	Additional Information		Additional information on module duration: 2 weeks, full time.					
03-98-PGH-152-m01	Introduction to Genetics and Human Genetics							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (2) + Ü (3)					
	Method of assessment		written examination (30 to 90 minutes) and successful completion of exercises (ungraded), oral test during experiments (approx. 15 minutes) and written examination (90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.					
03-98-PGN-152-m01	Introduction to Neurobiology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (2) + S (3) Course type: S might be offered in Ü format					
	Method of assessment		written examination (90 minutes) and successful completion of seminar/exercise					
07-BI-152-m01	Introduction to Bioinformatics							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (0.5) + Ü (4)					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.					

03-98-PZB1-172-m01	<b>Cell Biology - Focus signal transduction and stem cells</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB2 or 03-98-PZB3.						
	Participants and allocation of places	Biomedizin (Biomedicine) Bachelor's: 18 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PZB2-172-m01	<b>Cell Biology - Focus cytoskeleton and microscopic imaging</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB1 or 03-98-PZB3.						
	Participants and allocation of places	Biomedizin (Biomedicine) Bachelor's: 8 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PZB3-172-m01	<b>Cell Biology - Focus immunology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB1 or 03-98-PZB2.						
	Participants and allocation of places	Biomedizin (Biomedicine) Bachelor's: 12 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						



Compulsory Electives Microbiology, Virology and Immunology (10 ECTS credits)								
03-98-PIV-152-m01	<b>Practical Course in Immunology and Virology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PMIB-152-m01	<b>Practical Course in Molecular Infection Biology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PMBM-152-m01	<b>Practical Course in Molecular Bacteriology and Mycology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	S (1) + P (5) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English						
	Additional Information	Additional information on module duration: 2 weeks, full time.						

03-98-PMP-152-m01	<b>Practical Course in Parasitology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (1) + P (5) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English					
	Additional Information		Additional information on module duration: 2 weeks, full time.					
<b>Advanced Compulsory Electives (15 ECTS credits)</b> Students may also take modules from the areas "Zellbiologie, Genetik und Neurobiologie" ("Cell Biology, Genetics and Neurobiology") and "Infektiologie und Immunologie" ("Infection and Immunity").								
03-98-PPT-152-m01	<b>Practical Course in Pharmacology and Toxicology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		P (3) + S (1) Module taught in: German/English					
	Method of assessment		presentation of practical work (approx. 30 minutes) and application (preparing a scientific publication; approx. 1.5 hours), weighted 7:3					
03-98-PPC-152-m01	<b>Pathophysiology and Pathobiochemistry</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (3) + V (1) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English					

03-98-RVZ-152-m01	Introduction to Methods in Experimental Biomedicine							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (6) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PF2-152-m01	Practical Course in a Research Laboratory							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (6) Module taught in: German/English						
	Method of assessment	practical assignment with presentation (approx. 10 minutes) and log (approx. 10 pages) Language of assessment: German or English						
	Additional Information	Additional information on module duration: 3 to 4 weeks, full time.						
03-98-PZB1-172-m01	Cell Biology - Focus signal transduction and stem cells							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB2 or 03-98-PZB3.						
	Participants and allocation of places	Biomedizin (Biomedicine) Bachelor's: 18 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						

03-98-PZB2-172-m01	<b>Cell Biology - Focus cytoskeleton and microscopic imaging</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB1 or 03-98-PZB3.						
	Participants and allo- cation of places	Biomedizin (Biomedicine) Bachelor's: 8 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PZB3-172-m01	<b>Cell Biology - Focus immunology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German and/or English						
	other prerequisites	May not be combined with 03-98-PZB1 or 03-98-PZB2.						
	Participants and allo- cation of places	Biomedizin (Biomedicine) Bachelor's: 12 places.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-PZB-152-m01	<b>Cell Biology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						

03-98-PGH-152-m01	<b>Introduction to Genetics and Human Genetics</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (2) + Ü (3)						
	Method of assessment	written examination (30 to 90 minutes) and successful completion of exercises (ungraded), oral test during experiments (approx. 15 minutes) and written examination (90 minutes). Each experiment comprises preparation, performance and evaluation. Test as well as performance of experiments can each be repeated once.						
03-98-PGN-152-m01	<b>Introduction to Neurobiology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (2) + S (3) Course type: S might be offered in Ü format						
	Method of assessment	written examination (90 minutes) and successful completion of seminar/exercise						
07-BI-152-m01	<b>Introduction to Bioinformatics</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	V (0.5) + Ü (4)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
03-98-PIV-152-m01	<b>Practical Course in Immunology and Virology</b>							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses	P (5) + S (1) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						

03-98-PMIB-152-m01	Practical Course in Molecular Infection Biology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		P (5) + S (1) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.					
	Additional Information		Additional information on module duration: 2 weeks, full time.					
03-98-PMBM-152-m01	Practical Course in Molecular Bacteriology and Mycology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (1) + P (5) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English					
	Additional Information		Additional information on module duration: 2 weeks, full time.					
03-98-PMP-152-m01	Practical Course in Parasitology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		S (1) + P (5) Module taught in: German/English					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course. Language of assessment: German or English					
	Additional Information		Additional information on module duration: 2 weeks, full time.					

o8-BGV-171-mo1	Imaging methods in life-sciences							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		V (2) + S (1)					
	Method of assessment		a) written examination (approx. 45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 to 20 minutes per candidate) or e) presentation (20 to 30 minutes) or f) practical examination (on average approx. 2 hours; time to complete will vary according to subject area but will not exceed a maximum of 4 hours) Language of assessment: German and/or English Assessment offered: Once a year, winter semester					
	Participants and allocation of places		Biochemie (Biochemistry) Bachelor's: 25 places.					
Key Skills Area (20 ECTS credits)								
General Key Skills (5 ECTS credits) In the area of general transferable skills, students may choose from the modules offered as part of the pool of general transferable skills (ASQ) of the University of Würzburg.								
Subject-specific Key Skills (15 ECTS credits)								
o3-98-FSQ-GEN-152-mo1	Genetic Engineering and Biosafety							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V (1)					
	Method of assessment		a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.					
	Additional Information		Students MUST take this module.					
o3-98-FSQ-VTK1-152-mo1	Laboratory Animal Sciences 1							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V (2)					
	Method of assessment		written examination (approx. 90 minutes)					
o3-98-FSQ-VTK2-152-mo1	Laboratory Animal Sciences 2							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses		V (2) + P (1)					
	Method of assessment		written examination (approx. 90 minutes)					
	Additional Information		Equivalent to animal welfare qualification (GV-SOLAS (Society of Laboratory Animals) / FELASA category B).					

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



03-98-FSQ-MB4-152-m01	<b>Selected Courses from Biology and Medicine 4</b>							
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (4)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	other prerequisites	May not be combined with 03-98-FSQ-MB1/2/3.						
03-98-FSQ-AF1-152-m01	<b>Selected Courses from other Faculties with a Biomedical Focus 1</b>							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (1)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	other prerequisites	May not be combined with 03-98-FSQ-AF2/3/4.						
03-98-FSQ-AF2-152-m01	<b>Selected Courses from other Faculties with a Biomedical Focus 2</b>							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (2)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	other prerequisites	May not be combined with 03-98-FSQ-AF1/3/4.						
03-98-FSQ-AF3-152-m01	<b>Selected Courses from other Faculties with a Biomedical Focus 3</b>							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (3)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	other prerequisites	May not be combined with 03-98-FSQ-AF1/2/4.						

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

03-98-FSQ-EXK1-152-m01	<b>Excursion 1</b>							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	E (1)						
	Method of assessment	report (1 to 2 pages)						
	other prerequisites	Prior approval from degree programme coordinator required.						
03-98-FSQ-EXK2-152-m01	<b>Excursion 2</b>							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	E (1)						
	Method of assessment	report (1 to 2 pages)						
	other prerequisites	Prior approval from degree programme coordinator required.						
03-98-FSQ-F2PR-152-m01	<b>Oriental Laboratory course</b>							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (2)						
	Method of assessment	Log (5 to 10 pages)						
	Additional Information	Additional information on module duration: 2 weeks						
03-98-FSQ-F2PR1-152-m01	<b>Laboratory Course in Biomedical Research 1</b>							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (4)						
	Method of assessment	Log (5 to 10 pages)						
	other prerequisites	May be combined neither with 03-98-FSQ-F2PR2 nor with 03-98-FSQ-F2PR3.						
	Additional Information	Additional information on module duration: 2 weeks, full time.						
03-98-FSQ-F2PR2-152-m01	<b>Laboratory Course in Biomedical Research 2</b>							
	ECTS	4	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (6)						
	Method of assessment	Log (10 to 15 pages) and talk (approx. 10 minutes)						
	other prerequisites	May be combined neither with 03-98-FSQ-F2PR1 nor with 03-98-FSQ-F2PR3.						
	Additional Information	Additional information on module duration: 3 weeks, full time.						
03-98-FSQ-F2PR3-152-m01	<b>Laboratory Course in Biomedical Research 3</b>							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	P (8)						
	Method of assessment	Log (10 to 15 pages) and talk (approx. 10 minutes)						
	other prerequisites	May be combined neither with 03-98-FSQ-F2PR1 nor with 03-98-FSQ-F2PR2.						
	Additional Information	Additional information on module duration: 4 weeks, full time.						

03-98-FSQ- IKK-152-m01	<b>Intercultural Competence</b>							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	S (3)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
03-98-FSQ- BZK1-152-m01	<b>Bioscience Lectures 1</b>							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (1) Module taught in: German/English						
	Method of assessment	Successful completion as certified by the lecturer						
03-98-FSQ- BZK2-152-m01	other prerequisites	Please consult with degree programme coordinator in advance.						
	<b>Bioscience Lectures 2</b>							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
	Courses	V (1) Module taught in: German/English						
03-98-FSQ- NETW1-152-m01	Method of assessment	Successful completion as certified by the lecturer						
	other prerequisites	Please consult with degree programme coordinator in advance.						
	<b>Personal Skills in Science</b>							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
03-98-FSQ- NETW2-152-m01	Courses	V (2)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						
	<b>Personal Skills in Science</b>							
	ECTS	3	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	undergraduate
03-98-FSQ- NETW2-152-m01	Courses	V (3)						
	Method of assessment	a) written examination (45 to 90 minutes) or b) log (10 to 20 pages) or c) oral examination of one candidate each (20 to 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (20 to 30 minutes) Students will be informed about the type and length of assessment at the beginning of the course.						

Thesis (15 ECTS credits)								
03-98-TH-152-m01	Bachelor Thesis Biomedicine							
	ECTS	12	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		No courses assigned to module Module taught in: German/English					
	Method of assessment		written thesis (20 to 40 pages) Language of assessment: German or English					
	Additional Information		Time to complete: 10 weeks.					
03-98-TK-152-m01	Colloquium							
	ECTS	3	Duration	1 semester	Method of grading	numerical grade	Modul level	undergraduate
	Courses		K (o) Module taught in: German/English					
	Method of assessment		oral examination of one candidate each (20 to 30 minutes) Language of assessment: German or English					