

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject Experimental medicine as a Master's with 1 major with the degree "Master of Science" (90 ECTS credits)

Responsible: Faculty of Medicine

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)):

o8-Dec-2015 (2015-249)

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

Every module will be described using the following form:

Abbreviation	Module title						
	ECTS		Duration	(in semesters)	Method of grading		Module level
	Courses		To be 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 (15 ECTS credits)							
03-EM-TM-152-m01	Theoretical Medicine						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level graduate
	Courses	V (3) + V (3) + V (3)					
	Method of assessment	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. Assessment will cover the subjects of microbiology, pharmacology and pathology. There will either be one assessment covering all of the three subjects or three individual assessments. Language of assessment: German and/or English					
03-EM-MP-152-m01	Methods in Molecular Biology						
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level graduate
	Courses	P (10)					
	Method of assessment	Part I: elaboration of logs (approx. 10 to 20 pages). Part II: a) oral examination of one candidate each (20 to 30 minutes) or b) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or c) 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 and/or English					
Additional Information	Additional information on module duration: 4 weeks, full time.						
Compulsory Electives (45 ECTS credits)							
Subfield Theoretical Experimental Medicine (15 ECTS credits)							
03-98-MV-KN-152-m01	Clinical Neurobiology						
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level graduate
	Courses	V (2) + S (2) Module 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					

03-98-MVKB-152-mo1	Cardiovascular Biology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) Module taught in: German/English						
03-98-MV-MO-152-mo1	Molecular Oncology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) Module taught in: German/English						
03-98-MV-SZ-152-mo1	Stem Cell Biology							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) Module taught in: German/English						
	Method of assessment	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester						

03-98-MVTF-152-m01	Tissue Engineering / Functional Materials							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (2) Module taught in: German/English						
	Method of assessment	a) written examination (30 to 60 minutes) or b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Once a year, winter semester						
03-98-ImmM1-152-m01	Immunology 1 BM							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	S (2) Module taught in: German/English						
	Method of assessment	a) written examination (30 to 60 minutes) or c) oral examination of one candidate each (30 to 60 minutes) or e) presentation (20 to 45 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German or English Assessment offered: Winter semester only						
03-98-VirM1-152-m01	Virology 1 BM							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (1) + S (2) Module taught in: German/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) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English Assessment offered: Winter semester only						

03-EM-VAND-152-m01	Biomedical courses from other programs							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	V (3) Module taught in: German/English						
	Method of assessment	a) written examination (45 to 90 minutes) 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 person) 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	Please consult with degree programme coordinator in advance.							
03-EM-Dok-sem-152-m01	GSLs PhD student seminar							
	ECTS	5	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	unknown
	Courses	S (2) Module taught in: German/English						
Method of assessment	presentation (20 to 30 minutes) Language of assessment: German and/or English							
Subfield Practical Experimental Medicine (20 ECTS credits)								
03-EM-PBMB-152-m01	Practical Biochemistry and Molecular Biology							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
Additional Information	Additional information on module duration: 4 to 6 weeks.							
03-EM-PMO-152-m01	Practical Training Molecular Oncology							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
Additional Information	Additional information on module duration: 4 to 6 weeks.							
03-EM-PKB-152-m01	Practical Training Cardiovascular Biology							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
Additional Information	Additional information on module duration: 4 to 6 weeks.							

03-EM-PI-nlm-152-m01	Practical Training Infection and Immunity							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
	Additional Information	Additional information on module duration: 4 to 6 weeks.						
03-EM-PNB-152-m01	Practical Training Neurobiology							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
	Additional Information	Additional information on module duration: 4 to 6 weeks.						
03-EM-PSZ-152-m01	Practical Training Stem Cell Biology and Regenerative Medicine							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	P (10) Module taught in: German/English						
	Method of assessment	practical assignment with log (approx. 10 to 20 pages) and oral examination (approx. 15 to 30 minutes) Language of assessment: German and/or English						
	Additional Information	Additional information on module duration: 4 to 6 weeks.						
03-98-MHG-PX-152-m01	Practical Course in Human Genetics							
	ECTS	10	Duration	1 semester	Method of grading	numerical grade	Modul level	unknown
	Courses	P (10) Module taught in: German/English						
	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.						
	Additional Information	Additional information on module duration: 4 weeks, full time.						

Subfield Organisation and Communication of Science (10 ECTS credits)							
03-98-FSQ- GEN-152-m01	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.					
03-98-FSQ- VTK2-152-m01	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	Biometry I						
	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.					
	Additional Information						
03-EM-FSQ- MB-152-m01	Selected Courses from Life Sciences						
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level graduate
	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	Prior approval from degree programme coordinator required.					

07-MLSRR1-152-mo1	Responsible Conduct of Research 1							
	ECTS	2	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	S (1) Module taught in: English						
	Method of assessment	a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (10 to 30 pages) 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) 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: English						
	Additional Information	Consult Academic Advisor						
03-EM-PRES-152-mo1	Oral Presentation Skills							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (1) Module taught in: English						
	Method of assessment	b) log (10 to 20 pages) 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: English						
	Additional Information							
03-EM-WRI-152-mo1	Scientific Writing							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (1) Module taught in: English						
	Method of assessment	b) log (10 to 20 pages) 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: English						
	Additional Information							
03-EM-POST-152-mo1	Poster Design							
	ECTS	1	Duration	1 semester	Method of grading	(not) successfully completed	Modul level	graduate
	Courses	Ü (1) Module taught in: English						
	Method of assessment	a) log (10 to 20 pages) or b) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or c) 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: English						
	Additional Information							

Thesis (30 ECTS credits)								
03-EM-MTH-152-m01	Master Thesis							
	ECTS	25	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	No courses assigned to module						
	Method of assessment	Master's thesis (approx. 30 to 60 pages) Language of assessment: English						
	Additional Information	Time to complete: 6 months.						
03-EM-MKO-152-m01	Colloquium							
	ECTS	5	Duration	1 semester	Method of grading	numerical grade	Modul level	graduate
	Courses	K (o)						
	Method of assessment	final colloquium (approx. 30 to 45 minutes) Language of assessment: English						
	Modules successfully completed	03-EM-MTH						