

Annex SFB

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

Responsible: Faculty of Medicine

Examination regulations version: 2009

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:

ASPO2009

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

o6-Dec-2011 (2011-109)

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 (30 ECTS credits) | | | | | | | |
|---|--|--|----------|------------|-------------------|-----------------|------------------------|
| 03-EM-MVH-092-m01 | Microbiology, Virology, Hygiene | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level graduate |
| | Courses | V (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | oral examination of one candidate each (approx. 25 minutes) | | | | | |
| 03-EM-PA-092-m01 | Pathology | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level graduate |
| | Courses | V (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | oral examination of one candidate each (approx. 25 minutes) | | | | | |
| 03-EM-PT-092-m01 | Pharmacology and Toxicology | | | | | | |
| | ECTS | 5 | Duration | 2 semester | Method of grading | numerical grade | Modul level graduate |
| | Courses | V (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | oral examination of one candidate each (approx. 25 minutes) | | | | | |
| 03-EM-MP-092-m01 | Molecular biological methods | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level graduate |
| | Courses | P (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | term paper (written elaboration of lab reports, minimum 20 pages total) | | | | | |
| Compulsory Electives (60 ECTS credits) | | | | | | | |
| Practical Experimental Medicine (45 ECTS credits) | | | | | | | |
| 03-EM-In-lm-092-m01 | Infection and Immunity | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level graduate |
| | Courses | This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 03-EM-InIm-1-092: P (no information on SWS (weekly contact hours) and course language available) 03-EM-InIm-2-092: K (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-EM-InIm-1-092: Practical Training Infection and Immunity</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade term paper (ready-to-publish written summary of results of experiments, minimum 10 pages) <p>Assessment in module component 03-EM-InIm-2-092: Colloquium Infection and Immunity</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade oral presentation and discussion of results of lab course (approx. 15 to 20 minutes) | | | | | |

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|-------------------|---|----|--|------------|-------------------|-----------------|-------------|----------|
| 03-EM-MO-092-m01 | Molecular Oncology | | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | | This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 03-EM-MO-1-092: P (no information on SWS (weekly contact hours) and course language available) 03-EM-MO-2-092: K (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | | Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-EM-MO-1-092: Practical Training Molecular Oncology</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade term paper (ready-to-publish written summary of results of experiments, minimum 10 pages) <p>Assessment in module component 03-EM-MO-2-092: Colloquium Molecular Oncology</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade oral presentation and discussion of results of lab course (approx. 15 to 20 minutes) | | | | | |
| 03-EM-SFP-092-m01 | Structure and Function of Proteins | | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | | This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 03-EM-SFP-1-092: P (no information on SWS (weekly contact hours) and course language available) 03-EM-SFP-2-092: K (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | | Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-EM-SFP-1-092: Practical Training Structure and Function of Proteins</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade term paper (ready-to-publish written summary of results of experiments, minimum 10 pages) <p>Assessment in module component 03-EM-SFP-2-092: Colloquium Structure and Function of Proteins</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade oral presentation and discussion of results of lab course (approx. 15 to 20 minutes) | | | | | |
| 03-EM-KVB-092-m01 | Cardiovascular Biology | | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | | This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 03-EM-KVB-1-092: P (no information on SWS (weekly contact hours) and course language available) 03-EM-KVB-2-092: K (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method of assessment | | Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-EM-KVB-1-092: Practical Training Cardiovascular Biology</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade term paper (ready-to-publish written summary of results of experiments, minimum 10 pages) <p>Assessment in module component 03-EM-KVB-2-092: Colloquium Cardiovascular Biology</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade oral presentation and discussion of results of lab course (approx. 15 to 20 minutes) | | | | | |

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|---|--|---|----------|------------|-------------------|-----------------|-------------|----------|
| 03-EM-NBP-092-m01 | Neurobiology and Neurophysiology | | | | | | | |
| | ECTS | 15 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | This module comprises 2 module components. Information on courses will be listed separately for each module component. <ul style="list-style-type: none"> 03-EM-NBP-1-092: P (no information on SWS (weekly contact hours) and course language available) 03-EM-NBP-2-092: K (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | Assessment in this module comprises the assessments in the individual module components as specified below. Unless stated otherwise, successful completion of the module will require successful completion of all individual assessments. <p>Assessment in module component 03-EM-NBP-1-092: Practical Training Neurobiology and Neurophysiology</p> <ul style="list-style-type: none"> 10 ECTS, Method of grading: numerical grade term paper (ready-to-publish written summary of results of experiments, minimum 10 pages) <p>Assessment in module component 03-EM-NBP-2-092: Colloquium Neurobiology and Neurophysiology</p> <ul style="list-style-type: none"> 5 ECTS, Method of grading: numerical grade oral presentation and discussion of results of lab course (approx. 15 to 20 minutes) | | | | | | | |
| Subfield Theoretical Experimental Medicine (15 ECTS credits) | | | | | | | | |
| 03-EM-Sem1-092-m01 | Seminar Infection and Immunity | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | presentation (approx. 15 to 20 minutes) and written summary (approx. 1 page) | | | | | | | |
| 03-EM-Sem2-092-m01 | Seminar Molecular Oncology | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | presentation (approx. 15 to 20 minutes) and written summary (approx. 1 page) | | | | | | | |
| 03-EM-Sem3-092-m01 | Seminar Structure and Function of Proteins | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | presentation (approx. 15 to 20 minutes) and written summary (approx. 1 page) | | | | | | | |
| 03-EM-Sem4-092-m01 | Seminar Cardiovascular Biology | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | presentation (approx. 15 to 20 minutes) and written summary (approx. 1 page) | | | | | | | |
| 03-EM-Sem5-092-m01 | Seminar Neurobiology and Neurophysiology | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| Method of assessment | presentation (approx. 15 to 20 minutes) and written summary (approx. 1 page) | | | | | | | |

| Thesis (30 ECTS credits) | | | | | | | | |
|--------------------------|--|--|----------|------------|-------------------|-----------------|-------------|----------|
| 03-EM-MA-092-m01 | Final Examination Experimental Medicine | | | | | | | |
| | ECTS | 30 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate |
| | Courses | This module has 2 components; information on courses listed separately for each component. <ul style="list-style-type: none"> • 03-EM-MA-2-092: K (no information on language and number of weekly contact hours available) • 03-EM-MA-1-092: A (no information on language and number of weekly contact hours available) | | | | | | |
| | Method of assessment | This module has the following 2 assessment components. Unless stated otherwise, students must pass all of these assessment components to pass the module as a whole.. <p>Assessment component to module component 03-EM-MA-2-092: Kolloquium zur Masterarbeit</p> <ul style="list-style-type: none"> • 5 ECTS credits, method of grading: numerical grade • Abschlusskolloquium (approx. 45 minutes) • Only after succ. compl. of module component(s): Teilmodul 03-EM-MA-2 setzt Bestehen von Teilmodul 03-EM-MA-1 voraus. <p>Assessment component to module component 03-EM-MA-1-092: Masterarbeit "Experimentelle Medizin"</p> <ul style="list-style-type: none"> • 25 ECTS credits, method of grading: numerical grade • written thesis | | | | | | |
| Additional Information | Additional information listed separately for each module component. <ul style="list-style-type: none"> • 03-EM-MA-1-092: Additional information on module duration: 6 months. • 03-EM-MA-2-092: -- | | | | | | | |