



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 Chemistry and Pharmacy | Examination regulations version: 2012 |
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| Abbreviations used: | Course types: E = field trip, K = colloquium, O = conversatorium, P = place = lecture | ement/lab course, R = project, S = seminar, T = tutorial, Ü = exercise, V |
| | Term: SS = summer semester, WS = winter semester | |
| | Methods of grading: NUM = numerical grade, B/NB = (not) successfully c | ompleted |
| | Regulations: (L)ASPO = general academic and examination regulations (fermitted) = list of modules | or teaching-degree programmes), FSB = subject-specific provisions, SFB |
| | Other: A = thesis, LV = course(s), PL = assessment(s), TN = participants, V | /L = prerequisite(s) |
| Conventions for the modules in this SFB: | Unless otherwise stated, courses and assessments will be held in German ditable for bonus. | n, assessments will be offered every semester and modules are not cre- |
| Information on assessment procedures: | Should there be the option to choose between several methods of assess thod of assessment to be used in the current semester by two weeks after customary manner. | |
| | Should a module comprise more than one graded assessment, all assess | ments will be equally weighted, unless otherwise stated below. |
| | Should the assessment comprise several individual assessments, succes individual assessments. | sful completion of the module will require successful completion of all |
| | | |

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

ASP02009

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

28-Aug-2012 (2012-151) except for mandatory elective o8-MCB-MSP-142 added in Fast Track procedure at a later time

17-Dec-2014 (2014-87)

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 | D | uration | (in semesters) | Method of grading | Module level | | | | | | |
| | Courses | | To be spe | b 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 | ssessmer | nt | | | | | | | | | |
| | Only after su completion of | | if applica | if applicable | | | | | | | | |
| | Other prereq | uisites | if applica | if applicable | | | | | | | | |
| | Participants on of places | | ati- if applica | ble | | | | | | | | |
| | Additional in | formatio | n if applica | if applicable | | | | | | | | |
| | Referred to in | n LPO I | if applica | ble (examination r | regulations for teaching | g-degree programmes) | | | | | | |

Compulsory Electives (90 ECTS credits)

Compulsory Electives 1 (50 ECTS credits)

| Compulsory Electiv | ves 1 (50 | ECTS cr | edits) | | | | | | | | | |
|---------------------------|----------------------|---|------------|---|--|---|----------------------|----------|--|--|--|--|
| Focus 1 - Biochemis | stry and | Molecu | lar Biolog | Sy udopto | that did not take of | MTHP in the Pachelor's degree programme | | | | | | |
| o8-MBC- | | may only be taken by students that did not take 03-MTUB in the Bachelor's degree programme. RNA worlds | | | | | | | | | | |
| RNAW-122-m01 | | 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | S + S | (no information on | SWS (weekly contact hours) and course language av | ailable) | | | | | |
| | Methoc | l of asse | essment | 3 writ (appr prox. | a) 1 to 3 written examinations (1 written examination: approx. 60 minutes; 2 written examinations: approx. 45 minutes each; 3 written examinations: approx. 40 minutes each) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: ap- prox. 40 minutes) or e) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English | | | | | | | |
| 08-MBC-LCP-122- | Life cyc | le of pro | oteins | | | | | | | | | |
| m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | - | | S + S | + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | |
| | | | | 3 writ (appr prox. | a) 1 to 3 written examinations (1 written examination: approx. 60 minutes; 2 written examinations: approx. 45 minutes each; 3 written examinations: approx. 40 minutes each) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: ap- prox. 40 minutes) or e) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English | | | | | | | |
| 08-MBC-GST-122- mo1 | Genom | | · · | | | | | | | | | |
| 11101 | | 5 | Duratio | | | Method of grading numerical grade | Modul level graduate | | | | | |
| | Course | | | S + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | | |
| | Method | 1 OT ASSE | essment | 3 writ (appro prox. | a) 1 to 3 written examinations (1 written examination: approx. 60 minutes; 2 written examinations: approx. 45 minutes each; 3 written examinations: approx. 40 minutes each) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: ap- prox. 40 minutes) or e) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English | | | | | | | |
| 08-MBC-RNP-122- | Structu | ire and f | unction o | of RNA- | protein complexes | | | | | | | |
| m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | s | | Ü + S | Ü + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | |
| | Method of assessment | | | 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) Assessment offered: once a year Language of assessment: German or English | | | | | | | | |

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| 08-MBC-PQK-122- | Protein | quality | otein quality control | | | | | | | | | | | |
|-----------------|---------------------------|----------------------|-----------------------|--|---|-----------------------|--------------------------|------------------|----------|--|--|--|--|--|
| m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | S | _ | | + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | | | |
| | Method | l of asso | essment | (grou Asses | 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) Assessment offered: once a year Language of assessment: German or English | | | | | | | | | |
| 08-MBC-GEG-122- | Genom | e and e | pigenetic | - | | | | | | | | | | |
| m01 | | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | _ | Ü + S | + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | | | |
| | Method | l of asso | essment | (grou Asses | 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) Assessment offered: once a year Language of assessment: German or English | | | | | | | | | |
| 08-MBC-MK-122- | <u> </u> | | ar Crystal | | hy | - | - | | | | | | | |
| m01 | ECTS | 10 | Duration | | 1 semester | Method of grading | . <u> </u> | Modul level | graduate | | | | | |
| | Courses | | _ | | | | tact hours) and course l | | | | | | | |
| | Method | Method of assessment | | | a) 1 to 3 written examinations (1 written examination: approx. 60 minutes; 2 written examinations: approx. 45 minutes each; 3 written examinations: approx. 40 minutes each) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: ap- prox. 40 minutes) or e) presentation/talk (approx. 15 to 30 minutes) Assessment offered: once a year Language of assessment: German or English | | | | | | | | | |
| 08-MCM3-102- | Principles of drug design | | | | | | | | | | | | | |
| m01 | ECTS | 5 | Duration | | 1 semester | Method of grading | ¥ | Modul level | graduate | | | | | |
| | Courses | - | _ | | - | | hours) and course lang | guage available) | | | | | | |
| | Method | l of ass | essment | presentation with discussion (approx. 30 minutes) Language of assessment: German or English | | | | | | | | | | |
| | Particip cation o | | | Chem lot. | Chemistry Master's and Mathematics Master's: no restrictions. Biochemistry Master's: 10 places. Places will be allocated by lot. | | | | | | | | | |
| 08-MBC-MSP-142- | Mass-S | pectror | metry and | l Prote | omics | | | | | | | | | |
| m01 | ECTS | 5 | Duration | | 1 semester | Method of grading | - | Modul level | graduate | | | | | |
| | Courses | 5 | | | | | tact hours) and course l | | | | | | | |
| | Method | l of asso | essment | one c prox. Langi | a) written examination (approx. 60 minutes) or Biochemie (Biochemistry): b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups (groups of 2: approx. 30 minutes, groups of 3: ap- prox. 40 minutes) or e) presentation/talk (approx. 15 to 30 minutes) Language of assessment: German, English | | | | | | | | | |
| | Particip cation o | | | Bioch | emistry Master's: 6 | places. Places will b | e allocated by lot. | | | | | | | |

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| 08-BC-MOL-122- | Molecu | lar Biol | ogy for B | iochen | nistry students | 1 | | | | |
|------------------|--------------------------------|----------|-----------|---|-----------------|-------------------|-----------------|-------------|---------------|--|
| m01 | ECTS | 6 | Duration | า | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | |
| | Course | S | | This module comprises 2 module components. Information on courses will be listed separately for each module component. o3-GTBS-1-092: V (no information on SWS (weekly contact hours) and course language available) o8-BC-MOL-1-122: V + Ü (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. | | | | | | |
| | | | | Assessment in module component o3-GTBS-1-092: Genetic Engineering and Biosafety 1 ECTS, Method of grading: (not) successfully completed | | | | | | |
| | | | | written examination (approx. 30 minutes) Assessment in module component o8-BC-MOL-1-122: Molecular Biology Molecular Biology 5 ECTS, Method of grading: numerical grade | | | | | | |
| | | | | a) written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: approx. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the assessment prior to the course. Language of assessment: German or English | | | | | | |
| | Modules successfully completed | | | o8-BC (module component o8-BC-1 only) | | | | | | |
| 08-MBC-LIT1-122- | Literature seminar 1 | | | | | | | | | |
| m01 | ECTS | 5 | Duration | | 1 semester | Method of grading | • | Modul level | graduate | |
| | Courses | s | | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Methoo | d of ass | essment | presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English | | | | | | |
| 08-AMB-122-m01 | Conterr | nporary | Biochem | ical Me | ethods | | | | | |
| | ECTS 5 Duration | | | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | |
| | Course | S | | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Methoo | d of ass | essment | 1 to 3 written examinations (1 written examination: approx. 60 minutes; 2 written examinations: approx. 45 minutes each; 3 written examinations: approx. 40 minutes each) Language of assessment: German or English | | | | | | |

| 07-MS2B- | Bionhy | sics and | | ar Bio | technology (Lectu | -MTUB in the Bachelo re and Seminar) | 5 1 5 | | | | |
|-----------------------|-------------------------|----------------------|----------|---|---|---|-------------------------------|-----------------------|------------------------|--|--|
| T-102-m01 | ECTS | 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | | | | | | hours) and course language | | 0 | | |
| | Metho | d of ass | essment | wing | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the follo- wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral exami- nation of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 mi- | | | | | | |
| | | oants ar of place | | Bioch | emistry Master's: | 4 places. Places will b | e allocated by lot. | | | | |
| 03-MS2H- | Human | geneti | cs | | | | | | | | |
| G-122-m01 | ECTS | 10 | Duratio | n | 2 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | S | | V + S | (no information o | n SWS (weekly contact | hours) and course language | e available) | | | |
| | Clinical and Analytical | | | nation nutes | | | | | | | |
| 08-PH-KAC-092- m01 | | | | | r - | | | | Lunder warde de la tra | | |
| mor | | 5 | Duratio | | 1 semester | Method of grading | | Modul level | undergraduate | | |
| | Course | | occmont | V (no information on SWS (weekly contact hours) and course language available) written examination (120 minutes) | | | | | | | |
| 08-PH-KACP-092- | | | | Chemistry (practical course) | | | | | | | |
| m01 | ECTS | | Duratio | | 1 semester | | (not) successfully complet | ed Modul level | undergraduate | | |
| | Course | - | Duratio | | | | | | undergladate | | |
| | | - | essment | P (no information on SWS (weekly contact hours) and course language available) examination talks (Testate, approx. 15 minutes each), log (approx. 5 to 10 pages) | | | | | | | |
| 07-MS2M1-112- | _ | | (Lecture | | | | | 1 | | | |
| mo1 | ECTS | 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | :S | | V + S | (no information o | n SWS (weekly contact | hours) and course language | e available) | | | |
| | Method of assessment | | | wing | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the follo- wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral exami- nation of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 mi- | | | | | | |
| | | oants ar of place | | Biolo | gy Master's: no re | strictions. Biochemistr | y Master's: 15 places. Places | s will be allocated l | by lot. | | |

| 07-MS2M2-112- | Microb | iology : | 2 (Lecture | and S | eminar) | | | | | _ | | |
|----------------|--------------------|----------------------|------------|----------------|--|--------------------------|-----------------------|-----------------|-----------------|---|--|--|
| m01 | ECTS | 10 | Duratio | า | 1 semester | Method of gradir | ng numerical grade | | Modul level | graduate | | |
| | Course | s | | V + S | + S (no information on SWS (weekly contact hours) and course language available) | | | | | | | |
| | Methoo | d of ass | essment | wing | options will be o n of one candida | hosen: a) written exar | nination (30 to 60 mi | inutes, includi | ing multiple ch | ne course. Usually, one of the follo- noice questions) or b) oral exami- candidates (approx. 30 to 60 mi- | | |
| | Particip cation | oants ar of place | | Biolo | Biology Master's: no restrictions. Biochemistry Master's: 15 places. Places will be allocated by lot. | | | | | | | |
| 03-MS2IM1-122- | Immun | ology 1 | | | | | | | | | | |
| m01 | ECTS | 10 | Duratio | ı | 1 semester | Method of gradir | ng numerical grade | | Modul level | graduate | | |
| | Course | S | | V + S | (no information | on SWS (weekly conta | ct hours) and course | e language ava | ilable) | | | |
| | Method | d of ass | essment | lowin prox. | udents will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the fol- wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (ap- ox. 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 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) | | | | | | | |
| | Particip cation | oants ar of place | | Bioch | emistry Master' | s: 3 places. Places will | be allocated by lot. | | | | | |
| 03-MS2IM2-122- | Immunology 2 | | | | | | | | | | | |
| m01 | ECTS | 10 | Duratio | า | 1 semester | Method of gradir | ng numerical grade | | Modul level | graduate | | |
| | Course | S | | V + S | <pre>/ + S (no information on SWS (weekly contact hours) and course language available)</pre> | | | | | | | |
| | | Method of assessment | | | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of lowing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) lo prox. 10 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) | | | | | choice questions) or b) log (ap- | | |
| | Particip cation | | | Bioch | emistry Master' | s: 3 places. Places will | be allocated by lot. | | | | | |
| 03-MS2V1-122- | Virolog | y 1 | | | | | | | | | | |
| m01 | ECTS | 10 | Duratio | | 1 semester | - | ng numerical grade | | Modul level | graduate | | |
| | Course | S | | V + S | (no information | on SWS (weekly conta | ct hours) and course | e language ava | ilable) | | | |
| | Method | Method of assessment | | | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the follo- wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral exami- nation of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 mi- nutes) | | | | | | | |
| | Particip cation | oants ar of place | | Bioch | emistry Master' | s: 3 places. Places will | be allocated by lot. | | | | | |

| 03-MS2V2-122- | Virolog | y 2 | | | | | | | | | | |
|------------------|-------------------------|----------|----------------|--|--|----------------------|---------------------------|-----------------|-------------------|--|--|--|
| m01 | ECTS 10 Duration | | | ı | 1 semester | Method of gra | ading numerical grade | | Modul level | graduate | | |
| | Course | S | _ | V + S | (no information (| on SWS (weekly co | ontact hours) and course | e language av | ailable) | | | |
| | Methoo | 1 of ass | sessment | wing | options will be cl n of one candida | hosen: a) written e | xamination (30 to 60 m | inutes, includ | ding multiple ch | e course. Usually, one of the follo- ioice questions) or b) oral exami- candidates (approx. 30 to 60 mi- | | |
| | cation | of plac | | | emistry Master's | : 3 places. Places | will be allocated by lot. | | | | | |
| 03-MTUB-092-m01 | Molecular Tumor Biology | | | | | | | | | | | |
| | ECTS | 5 | Duration | า | 1 semester | Method of gra | ading numerical grade | | Modul level | undergraduate | | |
| | Course | s | | Ü (no | information on S | SWS (weekly conta | ct hours) and course lar | nguage availa | able) | | | |
| | Method | 1 of ass | sessment | (appr prox. sessr Asses | written examination (approx. 60 to 90 minutes) or b) log (approx. 20 pages) or c) oral examination of one candidate each approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (groups of 2: approx. 30 minutes, groups of 3: ap- rox. 40 minutes) or d) presentation (approx. 30 minutes). Students will be informed about the method and length of the as- essment prior to the course. ssessment offered: once a year, winter semester anguage of assessment: German, English | | | | | | | |
| | Particip cation | | nd allo- es | Number of places: 12. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated be lot. Quota 2 (one third of places): number of subject semesters of the respective applicant; 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 as they become available. Selection process Biochemie (Biochemistry) Master's: allocation by lot. | | | | | | a 1 (two thirds of places): current e grade, places will be allocated by among applicants with the same | | |
| 08-MBC-LIT2-122- | Literature seminar 2 | | | | | | | | | | | |
| m01 | ECTS | 5 | Duration | า | 1 semester | Method of gra | ading numerical grade | | Modul level | graduate | | |
| | Course | S | | S (no | information on S | WS (weekly conta | ct hours) and course lar | nguage availa | ible) | | | |
| | Methoo | d of ass | sessment | presentation/talk (approx. 15 to 30 minutes) Language of assessment: German or English | | | | | | | | |
| 03-98-PBG-092- | Bacteri | ial gen | etics - Infe | ctiolog | <i>s</i> y | | | | | | | |
| m01 | ECTS | 5 | Duration | า | 1 semester | Method of gra | ading numerical grade | | Modul level | undergraduate | | |
| | Course | S | | V + S | + Ü (no informati | ion on SWS (week | y contact hours) and co | urse languag | e available) | | | |
| | Method of assessment | | | methods of assessment: a) written examination (45 to 60 minutes) or b) log (10 to 20 pages) or c) oral examination of one can- didate each (approx. 20 minutes) or d) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or e) presentation (20 to 30 minutes) | | | | | | | | |
| | other p | | | cours | е. | | | | | specified at the beginning of the | | |
| | Particip cation | | nd allo- es | Bioch | emistry Bachelo | r's: no restrictions | . Biochemistry Master's | : 4 places. Pla | aces will be allo | cated by lot. | | |

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| 03-98-MVKB-122- | Cardio | Cardiovascular Biology | | | | | | | | | | | | |
|-----------------|-----------------------|------------------------|------------|--|---|--|------------------------|---|---|--|--|--|--|--|
| m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (no | (no information on SWS (weekly contact hours) and course language available) | | | | | | | | | |
| | Method | d of asso | essment | lowin prox. | tudents will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the fol- owing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (ap- rox. 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 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) | | | | | | | | | |
| | Molecu | Molecular Oncology | | | | | | | | | | | | |
| MO-122-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | - | V (no | information on SWS | (weekly contact hou | irs) and course langua | age available) | | | | | | |
| | | | essment | lowin prox. | g options will be cho 10 to 30 pages) or c) | osen: a) written exam) oral examination of | nination (30 to 60 min | utes, including multiple 30 to 60 minutes) or d) o | e course. Usually, one of the fol- choice questions) or b) log (ap- oral examination in groups of up to | | | | | |
| 03-98-MV- | | Cell Biol | | | | | | | | | | | | |
| SZ-122-m01 | ECTS | 5 | Duration | | 1 semester | Method of grading | | Modul level | graduate | | | | | |
| | Course | S | | V (no | information on SWS | weekly contact hours | ırs) and course langua | age available) | | | | | | |
| | Method | d of asso | essment | lowin prox. | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of t lowing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log prox. 10 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes) | | | | | | | | | |
| 03-98-MV- | Clinical Neurobiology | | | | | | | | | | | | | |
| KN-122-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (no information on SWS (weekly contact hours) and course language available) | | | | | | | | | | |
| | Methoo | d of asso | essment | lowin prox. | g options will be cho 10 to 30 pages) or c) | osen: a) written exam) oral examination of | nination (30 to 60 min | utes, including multiple 30 to 60 minutes) or d) o | e course. Usually, one of the fol- choice questions) or b) log (ap- oral examination in groups of up to | | | | | |
| 03-98-MVTF-122- | Tissue | Engine | ering / Fu | nction | al Materials | | | | | | | | | |
| m01 | ECTS | 5 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (no | information on SWS | (weekly contact hou | irs) and course langua | age available) | | | | | | |
| | Method | d of ass | essment | lowin prox. | g options will be cho 10 to 30 pages) or c) | osen: a) written exam) oral examination of | nination (30 to 60 min | utes, including multiple 30 to 60 minutes) or d) o | e course. Usually, one of the fol- choice questions) or b) log (ap- oral examination in groups of up to | | | | | |

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| | 07-4BFN | AZ4-BC | and og-V | | | | | | | rogramme; module component | | |
|------------------|--|--|----------------|--|---|---|--|----------------|---------------------------------|--|--|--|
| , | | only be taken by students that did not take module component o8-OC4-1 in the Bachelor's degree programme. Contemporary Research in Biochemistry M1 | | | | | | | | | | |
| m01 | ECTS | 3 | Duration | | 2 semester | Method of grading | numerical grade | | Modul level | graduate | | |
| | Course | S | <u>,</u> | S + S | (no information on | SWS (weekly contact | hours) and course | language ava | ailable) | | | |
| | Methoo | d of ass | essment | | | ox. 15 to 30 minutes) t: German or English | | | | | | |
| 08-MBC-AFB2-122- | Conter | porary | Research | in Bio | chemistry M2 | | | | | | | |
| m01 | ECTS | 3 | Duration | า | 2 semester | Method of grading | numerical grade | | Modul level | graduate | | |
| | Course | S | | S + S | no information on | SWS (weekly contact | hours) and course | language ava | ailable) | | | |
| | Methoo | d of ass | essment | | | ox. 15 to 30 minutes) t: German or English | | | | | | |
| 08-SCM3-102-m01 | Bioorga | anic Che | emistry | | | | | | | | | |
| | ECTS | 5 | Duratio | า | 1 semester | Method of grading | numerical grade | | Modul level | graduate | | |
| | Course | s | , | S (no | information on SW | S (weekly contact ho | urs) and course lang | guage availab | ole) | | | |
| 08-ACM2-102-m01 | Bioinorganic Chemistry | | | Langu | ning of the course. Language of assessment: German or English | | | | | | | |
| | ECTS 5 Duration | | | | 1 semester | Method of grading | numerical grade | | Modul level | graduate | | |
| | Course | - | 1 2 4. 4. 4. 6 | | | S (weekly contact ho | • | guage availat | | 3.00000 | | |
| | | | | a) 1 to natio the m ning o Langu | 3 written examination of 3 written examination in groups (groups odule coordinator word the course. In the course of the course of the course of assessment | tions (60 or 90 minut of 2, 30 minutes). Sh will choose the metho t: German or English | res) or b) oral exami nould there be the o od to be used for the | ination of one | e candidate ea ose between s | ch (20 minutes) or c) oral exami- everal methods of assessment, e current semester at the begin- | | |
| 08-0CM-NAT-102- | Moderr | 1 Aspec | | | oduct Chemistry and | d Biological Chemist | | | 4 | | | |
| m01 | ECTS | 5 | Duration | | 1 semester | Method of grading | | | Modul level | graduate | | |
| | Course | | | | | S (weekly contact ho | | | | | | |
| | Method of assessment | | | natio the m ning c Langu | a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English | | | | | | | |
| | Participants and allo- cation of places | | | Chem | Chemistry Master's: no restrictions. Biochemistry Master's: 20 places. Places will be allocated by lot. | | | | | | | |

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| 08-HKM1-102-m01 | Organo | o- and B | iocatalys | is | | | | | | | |
|------------------|----------------------|----------------------|------------|---|---|---|---|-------------|---|--|--|
| | ECTS | 5 | Duratio | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | S | | S (no | S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Method of assessment | | | nation the m ning c | a) 1 to 3 written examinations (60 or 90 minutes) or b) oral examination of one candidate each (20 minutes) or c) oral exami- nation in groups (groups of 2, 30 minutes). Should there be the option to choose between several methods of assessment, the module coordinator will choose the method to be used for the module component in the current semester at the begin- ning of the course. Language of assessment: German or English | | | | | | |
| 07-MS2BI-102- | Bioinfo | ormatics | G (Lecture | and Se | eminar) | | | | | | |
| m01 | ECTS | 10 | Duratio | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | | | S + V | no information on | SWS (weekly contact | hours) and course language | available) | | | |
| | | | | Students will be informed about the method, length and scope of the assessment prior to the course. Usually, one of the follo- wing options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral exami- nation of one candidate each (30 to 60 minutes) or c) oral examination in groups of up to 3 candidates (approx. 30 to 60 mi- nutes) | | | | | | | |
| 07-3A3BI-072-m01 | | | | | | | | | | | |
| | ECTS 2 Duratio | | | | 1 semester | Method of grading | 5 | Modul level | undergraduate | | |
| | Course | Courses | | | This module comprises 2 module components. Information on courses will be listed separately for each module components. 07-3A3BI-1B-072: V (no information on SWS (weekly contact hours) and course language available) 07-3A3BI-2B-072: S (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Method of assessment | | | | | | essments in the individual m e module will require success | | ts as specified below. Unless fall individual assessments. | | |
| | | | | • Asses | 1 ECTS, Method of written examinations written examinations | f grading: numerical g on (approx. 20 minute omponent 07-3A3BI- f grading: (not) succes | es) 2 B-072: Bioinformatics (Semi | | | | |
| | | oants ar of place | | Only as part of Biochemistry Master's: 5 places. Places will be allocated by lot. | | | | | | | |

| 07-4BFMZ4- | Bioinfo | rmatics | for adva | nced S | tudents in Biochem | istry | | | | |
|-----------------|----------------------------|----------------------|-------------|---|--|--|-------------------|------------------|-----------------------------------|--|
| BC-092-m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical gra | de | Modul level | undergraduate | |
| | Course | s | | V + Ü | V + Ü (no information on SWS (weekly contact hours) and course language available) | | | | | |
| | Method | d of ass | essment | log (approx. 10 to 20 pages) Assessment offered: once a year, summer semester Language of assessment: German or English | | | | | | |
| | other p | rerequi | sites | | Admission prerequisite to assessment: regular attendance of exercises and successful completion of the respective exercises as specified at the beginning of the course. | | | | | |
| | | oants ar of place | | applio thirds place applio | Biochemie (Biochemistry) Bachelor's: 4 places. Selection process Biochemie (Biochemistry) Bachelor's: Should the number of applications exceed the number of available places, places will be allocated according to the following quotas: Quota 1 (two thirds of places): current average grade of successfully completed modules; among applicants with the same average grade, places will be allocated by lot. Quota 2 (one third of places) number of subject semesters of the respective applicant; 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 as they become available. | | | | | |
| 03-VTK-092-m01 | Laboratory animal sciences | | | | | | | | | |
| | ECTS 2 Duration | | | า | 1 semester | Method of grading (not) success | fully completed | Modul level | undergraduate | |
| | Courses | | | V + P (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Method of assessment | | | written examination (approx. 60 minutes) | | | | | | |
| | other prerequisites | | | Admission prerequisite to assessment: regular attendance of lab course as specified at the beginning of the course. | | | | | | |
| 08-MBC-WR1-122- | Scienti | fic lectu | iring M1 | | | | | | | |
| m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) success | fully completed | Modul level | graduate | |
| | Course | S | | T (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Method of assessment | | | cified | at the beginning of | g study groups: assessment to be s the course) : German or English | uccessfully com | pleted (type and | l length of assessment to be spe- | |
| o8-MBC- | Assista | ance in p | oractical o | Jourses 1 | | | | | | |
| AWA1-122-m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) success | fully completed | Modul level | graduate | |
| | Course | S | | Ü (no | information on SW | S (weekly contact hours) and course | e language availa | able) | | |
| | Method of assessment | | essment | | | | | | | |

| 07-MPWD-112-m01 | 1 Presentation of Scientific Data | | | | | | | | | |
|---------------------------|------------------------------------|------------|--|---|--|---------------------------------|------------------|-----------------------------------|--|--|
| | ECTS 5 | Duration | 1 | 1 semester | Method of grading (n | not) successfully completed | Modul level | graduate | | |
| | Courses | _ | S (no | information on SWS | 6 (weekly contact hours) | and course language availal | ole) | | | |
| | Method of asse | essment | Students will be informed about the length and scope of the assessment prior to the course. Usually, one of the following options will be chosen: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (approx. 10 to 30 | | | | | | | |
| | | | pages | 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) | | | | | | | |
| | Participants an cation of place | S | | | rictions. Biochemistry M | laster's: 10 places. Places wil | l be allocated b | by lot. | | |
| 08-MBC-OC4-122- | Basics in Orga | nic Chem | istry 4 | | | | | | | |
| m01 | ECTS 5 | Duration | <u>n</u> | 1 semester | Method of grading nu | umerical grade | Modul level | undergraduate | | |
| | Courses | | | | | urs) and course language av | - | | | |
| | Method of asse | essment | | | | | | tions: approx. 60 or 90 minutes | | |
| | | | | | ons: approx. 60 minute oups (groups of 2, appro | | n of one candic | late each (approx. 20 minutes) or | | |
| | | | | lage of assessment: | | x. 50 mmutes) | | | | |
| Compulsory Electiv | es 3 (30 ECTS ci | redits) | 1 | | | | | | | |
| 08-MBC-AP1-122- | Practical cours | e - abroa | d 1 | | | | | | | |
| m01 | ECTS 30 | Duratio | n | 1 semester | Method of grading (n | ot) successfully completed | Modul level | graduate | | |
| | Courses | | P (no information on SWS (weekly contact hours) and course language available) | | | | | | | |
| | Method of asse | essment | a) log (approx. 20 pages) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups | | | | | | | |
| | | | | ps of 2: approx. 30 r lage of assessment: | | pprox. 40 minutes) or d) prese | entation/talk (a | pprox. 15 to 30 minutes) | | |
| | Additional Info | rmation | Addit | ional information or | n module duration: bloc | k lab course with a minimum | duration of 15 | weeks. | | |
| 08-MBC-AP2-122- | Practical cours | e - abroa | d 2 | | | | | | | |
| m01 | ECTS 15 | Duration | | 1 semester | • • | ot) successfully completed | Modul level | graduate | | |
| | Courses | | | | | and course language availab | - | | | |
| | Method of asse | essment | 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 | | | | | | | |
| | Additional Info | rmation | Addit | ional information or | n module duration: bloc | k lab course with a minimum | duration of 8 v | veeks. | | |
| 08-MBC-EP1-122- | Practical cours | e - exterr | nal 1 | | | | | | | |
| m01 | ECTS 15 | Duration | n | 1 semester | Method of grading (n | not) successfully completed | Modul level | graduate | | |
| | Courses | | | | | and course language availab | | | | |
| | Method of asse | essment | 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 | | | | | | | |
| | Additional Info | rmation | Addit | ional information or | n module duration: bloc | k lab course with a minimum | duration of 8 v | veeks. | | |

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| 08-MBC-EP2-122- | Practic | al cours | e - extern | nal 2 | | | | | | |
|-----------------|----------------------|-----------|------------|--|--|--|----------|--|--|--|
| m01 | ECTS | 15 | Duratio | n | 1 semester | Method of grading (not) successfully completed Modul level | graduate | | | |
| | Course | S | | P (no | information on SWS | (weekly contact hours) and course language available) | | | | |
| | | | | (group |) 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) anguage of assessment: German or English | | | | | |
| | Additio | onal Info | rmation | Additi | ional information on | module duration: block lab course with a minimum duration of 8 v | veeks. | | | |
| 08-MBC-LP1-122- | Practic | al lab co | ourse 1 | | | | | | | |
| m01 | ECTS | 15 | Duratio | n | 1 semester | Method of grading (not) successfully completed Modul level | graduate | | | |
| | Course | S | | P (no | information on SWS | (weekly contact hours) and course language available) | | | | |
| | Methoo | d of asso | essment | (group | | or b) oral examination of one candidate each (approx. 20 minutes) ninutes, groups of 3: approx. 40 minutes) or d) presentation/talk (a German or English | | | | |
| | Additio | onal Info | rmation | Additi | ional information on | module duration: block lab course with a minimum duration of 8 v | veeks. | | | |
| 08-MBC-LP2-122- | Practic | al lab co | ourse 2 | | | | | | | |
| m01 | ECTS | 15 | Duratio | n | 1 semester | Method of grading (not) successfully completed Modul level | graduate | | | |
| | Courses | | | P (no | information on SWS | (weekly contact hours) and course language available) | | | | |
| | Method of assessment | | | (group | 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 | onal Info | rmation | Additi | onal information on | module duration: block lab course with a minimum duration of 8 v | veeks. | | | |
| 08-MBC-LP3-122- | Practic | al lab co | ourse 3 | | | | | | | |
| m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading (not) successfully completed Modul level | graduate | | | |
| | Courses | | | P (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Methoo | d of asso | essment | (group | 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 | onal Info | rmation | Additi | Additional information on module duration: block lab course with a minimum duration of 6 weeks. | | | | | |
| 08-MBC-LP4-122- | Practic | al lab co | ourse 4 | | | | | | | |
| m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading (not) successfully completed Modul level | graduate | | | |
| | Course | S | | P (no | information on SWS | (weekly contact hours) and course language available) | | | | |
| | | | | (group | 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 | | | | | |
| | | | | 1 - 41.90 | Additional information on module duration: block lab course with a minimum duration of 6 weeks. | | | | | |

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| 08-MBC-LP5-122- | Practic | al lab c | ourse 5 | | | | | | | | |
|-----------------|----------------------|-----------|-------------|--|--|-------------------------------|------------------------|-----------------|-----------------------------------|--|--|
| m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) suc | cessfully completed | Modul level | graduate | | |
| | Course | S | | P (no | (no information on SWS (weekly contact hours) and course language available) | | | | | | |
| | Methoo | d of ass | essment | (grou | 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) anguage of assessment: German or English | | | | | | |
| | Additio | onal Info | ormation | Addit | onal information on | module duration: block lab co | ourse with a minimum | duration of 3 w | veeks. | | |
| 08-MBC-LP6-122- | Practic | al lab c | ourse 6 | | | | | | | | |
| m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) suce | cessfully completed | Modul level | graduate | | |
| | Course | S | | P (no | information on SWS | (weekly contact hours) and co | urse language availat | ole) | | | |
| | Methoo | d of ass | essment | 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 | ormation | Additional information on module duration: block lab course with a minimum duration of 3 weeks. | | | | | veeks. | | |
| 08-MBC-WR2-122- | Scienti | fic lectu | iring M2 | | | | | | | | |
| m01 | ECTS 5 Duratio | | | า | 1 semester | Method of grading (not) suce | cessfully completed | Modul level | graduate | | |
| | Courses | | | T (no information on SWS (weekly contact hours) and course language available) | | | | | | | |
| | Methoo | d of ass | essment | cified | ring and supervising at the beginning of t age of assessment: | he course) | be successfully comp | leted (type and | l length of assessment to be spe- | | |
| o8-MBC- | Assista | ance in p | practical o | course | 5 2 | | | | | | |
| AWA2-122-m01 | ECTS | 5 | Duration | ı | 1 semester | Method of grading (not) suce | cessfully completed | Modul level | graduate | | |
| | Course | S | • | Ü (no | information on SWS | (weekly contact hours) and co | ourse language availal | ole) | | | |
| | Method of assessment | | | be sp | 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) anguage of assessment: German or English | | | | | | |

| Thesis (30 ECTS cr | hesis (30 ECTS credits) | | | | | | | | | | |
|--------------------|-----------------------------------|-----------|--|--|---|--|--|-----------------|----------|--|--|
| 08-MBC-MA-122- | Final Examination in Biochemistry | | | | | | | | | | |
| m01 | ECTS 30 Duratio | | | ۱ | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | • 08-MBC-MA-2-122: K (no ir | | | | | K (no information or | ents; information on courses listed separately for each component. ((no information on language and number of weekly contact hours available) ((no information on language and number of weekly contact hours available) | | | | |
| | Method | d of asso | | This module has the following 2 assessment components. Unless stated otherwise, students must pass all of these as- sessment components to pass the module as a whole | | | | | | | |
| | | | | | | | t o8-MBC-MA-2-122: Absch | nlusskolloquium | | | |
| | | | | • | | hod of grading: num um (approx. 45 minu | | | | | |
| | | | | • | Language of assess | sment: German or En | glish | | | | |
| | | | | | Assessment component to module component o8-MBC-MA-1-122: Master-Arbeit | | | | | | |
| | | | | • | 25 ECIS credits, me written thesis (app | ethod of grading: nur | nerical grade | | | | |
| | | | | • | | sment: German or En | glish | | | | |