

Annex SFB

Studienfachbeschreibung (subject description, SFB) for the subject MINT Teacher Education PLUS, Elite Network Bavaria (ENB) with the degree "LA Master Gymnasium" (120 ECTS credits)

Responsible: Faculty of Biology

Responsible: Faculty of Chemistry and Pharmacy

Responsible: Faculty of Mathematics and Computer Science

Responsible: Faculty of Physics and Astronomy

Examination regulations version: 2020

Examination regulations version: 2020

Examination regulations version: 2020

Examination regulations version: 2020

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 cre-

ditable 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:

ASP02015

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

18-Dec-2019 (2019-59)

12-Jun-2024 (2024-78)

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 | ECTS Durat | | (in semesters) | Method of grading | | Module level | | | | |
| | Courses | | To be spe | o be specified in the form X (y) with course type X abbreviated as specified above and number of weekly contact hours y | | | | | | | |
| | Method of as | ssessme | ent | | | | | | | | |
| | Only after su completion o | | l if applica | if applicable | | | | | | | |
| | Other prereq | uisites | if applica | if applicable | | | | | | | |
| | Participants and allocation of places | | ocati- if applica | if applicable | | | | | | | |
| | Additional information | | on if applica | if applicable | | | | | | | |
| | Referred to in | n LPO I | if applica | if applicable (examination regulations for teaching-degree programmes) | | | | | | | |

| Module Area A: Foo | cus Subject (60 ECTS cr | edits) | | | | | | | | |
|--------------------|--------------------------------------|---|--|------------------|---------------|--|--|--|--|--|
| Focus Subject Biol | ogy (60 ECTS credits) | | | | | | | | | |
| 07-GY-BFM-152- | Research Methods in | Biology | | | | | | | | |
| mo1 | ECTS 5 Durati | on 1 semester | Method of grading (not) successfully completed | Modul level | undergraduate | | | | | |
| | Courses | S (3) | | • | | | | | | |
| | Method of assessmen | c) oral examination of o d) oral examination in g e) presentation (approx f) practical examination maximum of 4 hours) or g) term paper (approx. 10 to i) project (approx. 10 to i) portfolio. | b) log (approx. 10 to 20 pages) or c) oral examination of one candidate each (approx. 30 minutes) or d) oral examination in groups of up to 3 candidates (approx. 20 minutes per candidate) or e) presentation (approx. 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 maximum of 4 hours) or g) term paper (approx. 10 to 30 pages) or h) project (approx. 10 to 30 pages) or i) portfolio. Students will be informed about the method and length of the assessment prior to the course. | | | | | | | |
| | Referred to in LPO I | § 61 Nr. 7 | § 61 Nr. 7 | | | | | | | |
| 07-GY-FOP-152- | Research-oriented working in Biology | | | | | | | | | |
| mo1 | ECTS 7 Durati | | Method of grading numerical grade | Modul level | undergraduate | | | | | |
| | Courses | Ü (4) | | | | | | | | |
| | | b) log (approx. 10 to 20 c) oral examination of o d) oral examination in g e) presentation (approx f) practical examination maximum of 4 hours) or g) term paper (approx. 1 h) project (approx. 10 to i) portfolio. Students will be informed creditable for bonus | ne candidate each (approx. 30 minutes) or roups of up to 3 candidates (approx. 20 minutes per . 20 to 30 minutes) or (on average approx. 2 hours; time to complete will voo to 30 pages) or | ary according to | | | | | | |
| | Referred to in LPO I | § 61 l Nr. 7 | | | | | | | | |
| o7-LA-HU- | Basic Human Biology | | | | | | | | | |
| BIO-1-152-m01 | ECTS 6 Durati | | Method of grading numerical grade | Modul level | undergraduate | | | | | |
| | Courses | V (3) | | | | | | | | |
| | | written examination (approx. 60 to 90 minutes) creditable for bonus | | | | | | | | |
| | Referred to in LPO I | § 61 Nr. 5 | | | | | | | | |

| o7-LA-HU- | Basic H | luman E | Biology II | | | | | | | | | |
|----------------|---|-----------|------------|---------------------------|--|--|------------------------------|-------------|---------------|--|--|--|
| BIO-2-152-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | undergraduate | | | |
| | Courses | S | | Ü (3) | | | | | | | | |
| | Method | d of ass | essment | | (approx. 30 hours) a table for bonus | nd 10 to 15 drawings | | | | | | |
| | Module comple | | essfully | 07-LA | o7-LA-HUBIO-1 or o7-GMR-HUBIO-1 | | | | | | | |
| | Referre | d to in I | PO I | | 3 41 Nr. 5 3 61 Nr. 5 | | | | | | | |
| o7-GY-MI- | Advanc | ed Mici | robiology | - GY | | | | | | | | |
| BI-152-mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Courses | S | | Ü (3) | | | | | | | | |
| | Method of assessment | | | | n examination (apprate able for bonus | ox. 60 minutes) | | | | | | |
| | 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. | | | | | | | |
| | Referre | d to in I | PO I | § 61 l | Nr. 3 | | | | | | | |
| 07-MS1-152-m01 | Neurobiology, Behavioural Physiology and Animal Ecology | | | | | | | | | | | |
| | ECTS | 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | V (3) Modu | V (3) Module taught in: English | | | | | | | |
| | Method | l of ass | essment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | |
| 07-MS1CB-152- | Endoge | nous C | locks | | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | | V (2) + S (1) Module taught in: English | | | | | | | |
| | Method of assessment | | | c) ora d) ora Stude | l examination of one al examination in gro ents will be informed | ination (30 to 60 minutes, including multiple choice questions) or tion of one candidate each (30 to 60 minutes) or tion in groups of up to 3 candidates (30 to 60 minutes) e informed about the method, length and scope of the assessment prior to the course. sessment: German and/or English | | | | | | |

| 07-MS1NMN- | Neu | Neuromodulation and Neuronal Development | | | | | | | | | | | |
|---------------|----------------------|--|--|--------------------------------------|--|--|------------------------------|-------------|----------|--|--|--|--|
| D-152-mo1 | ECT | S 10 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cor | ırses | | V (2) - Modu | S (1) le taught in: English | | | | | | | | |
| | Me | thod of as | sessment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | |
| 07-MS1N- | Neu | urobiology | / F1 | | | | | , | | | | | |
| F1-152-m01 | ECT | S 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | | + S (1) le taught in: German | and/or English | | | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MS1N- | | Neurobiology F2 | | | | | | | | | | | |
| F2-152-m01 | ECTS 15 Duratio | | Duratio | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | |
| | Courses | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | | | |
| | Method of assessment | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | s) or | | | | | | |
| 07-MS1TÖ-152- | Ani | mal Ecolo | gy and Tro | pical B | iology | | | | | | | | |
| mo1 | ECT | S 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Сог | ırses | · | V (2) - Modu | - S (1) le taught in: German | and/or English | | | | | | | |
| | Method of assessment | | | c) ora d) ora | l examination of one l examination in gro | ination (30 to 60 minutes, including multiple choice questions) or tion of one candidate each (30 to 60 minutes) or tion in groups of up to 3 candidates (30 to 60 minutes) sessment: German and/or English | | | | | | | |

| 07-MS1TÖ2-152- | Animal Ecology and Tropical Biology 2 | | | | | | | | | | | |
|-----------------|--|----------|-----------|--|--|---|-------------|----------|--|--|--|--|
| mo1 | ECTS | 10 | Duration | ı | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | | V (2) + S (1) Module taught in: English | | | | | | | |
| | Method | d of ass | essment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | |
| 07-MS1TÖF1-152- | Animal | Ecolog | y F1 | | | | | | | | | |
| mo1 | ECTS | 10 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | P (14) Modu | + S (1) le taught in: Germ | an and/or English | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |
| 07-MS1TÖF2-152- | Animal Ecology and Tropical Biology F2 | | | | | | | | | | | |
| mo1 | ECTS 15 Duratio | | | ı | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | |
| | Courses | | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | (15 to 30 pages) o l examination of o l examination in g sentation (20 to 4) | ne candidate each (30 to 60 minutes) or roups of up to 3 candidates (30 to 60 minutes) or | ns) or | | | | | |
| 07-MS1K-152-m01 | Animal | Commi | ınication | | | | | | | | | |
| | ECTS | 10 | Duration | ı | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | | V (2) + S (1) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |

| 07-MS1ES-152- | Experi | mental S | ociobiol | ogy | | | | | | | |
|---------------|--|-----------|-----------|--------------------------------------|--|---|-------------|----------|--|--|--|
| mo1 | ECTS | 10 | Duration | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | es | • | V (2) - Modu | + S (1) le taught in: English | | - | | | | |
| | Method | d of asse | essment | b) log c) ora d) ora e) pre | written examination (30 to 60 minutes, including multiple choice questions) or log (15 to 30 pages) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or presentation (20 to 45 minutes) anguage of assessment: German and/or English | | | | | | |
| 07-MS1N- | Neurog | genetics | of Behav | iour | | | | | | | |
| B-152-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | 2S | | V (2) - Modu | + S (1) le taught in: English | | | | | | |
| | Method | d of asse | essment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Canguage of assessment: German and/or English | | | | | | |
| 07-MS1V- | Behavioural Physiology and Sociobiology F1 | | | | | | | | | | |
| F1-152-m01 | ECTS 10 Duration | | | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Courses | | | | P (14) + S (1) Module taught in: German and/or English | | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | |
| 07-MS1V- | Behavi | ioural Ph | nysiology | and S | ociobiology F2 | | , | | | | |
| F2-152-m01 | ECTS | 15 | Duratio | n | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | |
| | Course | es | | | + S (1) le taught in: Germar | n and/or English | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | (15 to 30 pages) or l examination of one l examination in grosentation (20 to 45 l | o to 60 minutes, including multiple choice question e candidate each (30 to 60 minutes) or ups of up to 3 candidates (30 to 60 minutes) or minutes) German and/or English | s) or | | | | |

| 07-MS2-152-m01 | Molecu | ılar Bio | logy | | | , | | - | | | | |
|----------------|---|----------|----------|---|--|-------------------|-----------------|-------------|----------|--|--|--|
| | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (3) Modu | le taught in: Germ | an and/or English | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | written examination (30 to 60 minutes, including multiple choice questions) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English | | | | | | | |
| 07-MS2ZE1-152- | Cell an | d Devel | opmental | Biolog | gy Master 1 | | | | | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (1) + Modu | | an and/or English | | | | | | |
| | Method | d of ass | essment | c) ora d) ora |) written examination (30 to 60 minutes, including multiple choice questions) or) oral examination of one candidate each (30 to 60 minutes) or l) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English | | | | | | | |
| 07-MS2ZE2-152- | Cell and Developmental Biology Master 2 | | | | | | | | | | | |
| mo1 | ECTS 10 Duratio | | | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | | V (1) + S (2) Module taught in: English | | | | | | | |
| | Method of assessment | | | c) ora d) ora | e course. | | | | | | | |
| 07-MS2ZE- | Cell an | d Devel | opmental | Biolog | gy F1 | | | | | | | |
| F1-152-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | P (14) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |

| 07-MS2ZE- | Cell and | Develo | pmental | Biolog | gy F2 | | | | | | | |
|---------------|------------------|--|------------|---|---|----------------------|--------------------------------|-------------|----------|--|--|--|
| F2-152-m01 | ECTS | 15 | Duration | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | ; | | | + S (1) | ., | | | | | | |
| | | | | | le taught in: Germar | | | | | | | |
| | Method | of asse | essment | | tten examination (30 (15 to 30 pages) or | to 60 minutes, incli | uding multiple choice question | s) or | | | | |
| | | | | | | 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) Language of assessment: German and/or English | | | | | | | |
| 07-MS2IN- | Infectio | n Piolo | | Langu | lage of assessment: | German and/or Engi | 1511 | | | | | |
| F-152-mo1 | | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | Daration | V (2) + | | Method of glading | numerical grade | Modulitevel | Sidduce | | | |
| | | | | | Module taught in: German and/or English | | | | | | | |
| | Method | of asse | ssment | | | | uding multiple choice question | s) or | | | | |
| | | | | | c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) | | | | | | | |
| | | | | | Language of assessment: German and/or English | | | | | | | |
| 07-MS2PA-152- | Pathoge | enicity o | of Microo | rganis | ms | | | ' | | | | |
| mo1 | ECTS 10 Duration | | | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | ; | | | V (2) + S (1) | | | | | | | |
| | | | | Module taught in: English | | | | | | | | |
| | Method | of asse | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or | | | | | | | | |
| | | | | d) oral examination in groups of up to 3 candidates (30 to 60 minutes) | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | |
| 07-MS2M- | Microbi | | | | | | | | | | | |
| F1-152-m01 | | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | ; | | | + S (1) | and/or English | | | | | | |
| | Mothod | ofacco | ssment | Module taught in: German and/or English | | | | | | | | |
| | Method | ui asse | :551110111 | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) | | | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | |
| | Addition | nal Info | rmation | The internship must be completed full-time within a period of 5 to 6 weeks. | | | | | | | | |
| · | | | | | <u> </u> | · · · | - | | | | | |

| 07-MS2M- | Microbiology | F ₂ | 1 | | ' | | | | | | |
|------------|----------------|----------------|--|---|--|---------------------------------|-------------|----------|--|--|--|
| F2-152-m01 | ECTS 15 | Duration | n 1 sem | ester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | ` | P (29) + S (1) Module taug | | an and/or English | | | | | | |
| | Method of ass | sessment | b) log (15 to c) oral exam d) oral exam e) presentat | 30 pages) of oination of oination in gination in g | or ne candidate each (30 groups of up to 3 candi | dates (30 to 60 minutes) or | s) or | | | | |
| | Additional Inf | ormation | The internsh | ip must be | completed full-time wi | thin a period of 10 to 12 weeks | • | | | | |
| 07-MS2B- | Biophysics ar | nd Molecul | ar Biotechno | logy | | | | | | | |
| T-152-m01 | ECTS 10 | Duration | | ester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | V (2) + S (1) Module taug | (2) + S (1) Module taught in: English | | | | | | | |
| | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | |
| o7-MS2BT- | Biophysics ar | 1 | | | | | | | | | |
| F1-152-m01 | ECTS 10 | Duration | 3 5 5 | | Modul level | graduate | | | | | |
| | Courses | | P (14) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method of ass | sessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MS2BT- | Biophysics ar | nd Molecul | ar Biotechno | logy F2 | | | | | | | |
| F2-152-m01 | ECTS 15 | Duratio | n 1 sem | ester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method of ass | sessment | b) log (15 to c) oral exam d) oral exam e) presentat | examination (30 to 60 minutes, including multiple choice questions) or to 30 pages) or mination of one candidate each (30 to 60 minutes) or mination in groups of up to 3 candidates (30 to 60 minutes) or ation (20 to 45 minutes) of assessment: German and/or English | | | | | | | |

| 07-MS2BI-152-m01 | Bioinfo | rmatics | | | | ' | | | | | |
|------------------|-------------------------------|--|------------|---|---|-------------------|-----------------------------|---------------|----------|--|--|
| | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | S | | V (2) - Modu | + S (1) le taught in: Germar | n and/or English | | | | | |
| | Method | d of asse | essment | c) ora d) ora |) written examination (30 to 60 minutes, including multiple choice questions) or) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English | | | | | | |
| 07-MS2BIF1-152- | Bioinfo | rmatics | F1 | | | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | P (14) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of asse | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |
| 07-MS2BIF2-152- | Bioinfo | rmatics | F2 | | | , , | , | | | | |
| mo1 | ECTS | | | | 1 semester | Method of grading | (not) successfully complete | d Modul level | graduate | | |
| | Course | S | | P (29) + S (1) Module taught in: German and/or English | | | | | | | |
| | Method | d of asse | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |
| 07-MS31-152-m01 | Current | t Metho | ds in Biol | ogy | | | | | | | |
| | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses Method of assessment | | | V (3) Modu | V (3) Module taught in: German and/or English | | | | | | |
| | | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |

| 07-MS31POEK-152- | Plant E | cology | | | | | | | - | | | |
|------------------|-----------------------------|-----------|------------|--|---|-----------------------|--------------------------|-------------|----------|--|--|--|
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - Modu | + S (1) le taught in: Germa | nn and/or English | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | l examination of on l examination in gr | ie candidate each (30 | dates (30 to 60 minutes) | | | | | |
| 07-MS31PIP-152- | Plant II | mmunol | biology a | nd Pha | rmaceutical Biolog | у | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - Modu | + S (1) le taught in: Germa | nn and/or English | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |
| 07-MS3B- | Biophysics and Biochemistry | | | | | | | | | | | |
| B-152-m01 | ECTS 10 Duratio | | | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | | V (2) + S (1) Module taught in: English | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | |
| 07-MS31MPP- | Molecu | ılar Plar | nt Physiol | ogy F1 | | | | ' | | | | |
| F1-152-m01 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | | + S (1) le taught in: Germa | nn and/or English | | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |

| 07-MS31MPP- | Molecu | ılar Plar | nt Physiol | ogy F2 | | | | | | | | | |
|------------------|--|-----------|------------|---|--|------------------------------|-------------|----------|--|--|--|--|--|
| F2-152-m01 | ECTS | 15 | Duration | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Course | !S | | P (29) + S (1) Module taught in: Ge | rman and/or English | | | | | | | | |
| | | | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| 07-MS3BSBF1-152- | Bioche | mistry a | and Struct | ural Biology F1 | | | | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | | P (14) + S (1) Module taught in: Ge | rman and/or English | | | | | | | | |
| | Method | d of asso | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| 07- | Biochemistry and Structural Biology F2 | | | | | | | | | | | | |
| MS3BSBF2-152- | ECTS | 15 | Duration | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| m01 | Courses | | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | b) log (15 to 30 pages c) oral examination of d) oral examination i e) presentation (20 to Language of assessn | s) or If one candidate each (3c n groups of up to 3 candi | dates (30 to 60 minutes) or | s) or | | | | | | |
| 07-MS3B- | | sics of I | Plant Men | nbrane Proteins F1 | | | | | | | | | |
| PF1-152-m01 | ECTS | 10 | Duration | | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | !S | | P (14) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of asse | | b) log (15 to 30 pages c) oral examination of d) oral examination i e) presentation (20 to | vritten examination (30 to 60 minutes, including multiple choice questions) or og (15 to 30 pages) or og (15 to 30 pages) or | | | | | | | | |

| 07-MS3B- | Biophysics of Plant Membrane Proteins F2 | | | | | | | | | | | | |
|-------------|--|-------------|---|---|-------------------|------------------------------|-------------|----------|--|--|--|--|--|
| PF2-152-m01 | ECTS 15 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Courses | , | | + S (1) le taught in: Germar | and/or English | | , | | | | | | |
| | Method of as | ssessment | a) writ b) log c) oral d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| 07-MS3S- | Plant Signall | ling F1 | , | | | | | | | | | | |
| PF1-152-m01 | ECTS 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | , | | P (14) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method of as | ssessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | | |
| 07-MS3S- | Plant Signalling F2 | | | | | | | | | | | | |
| PF2-152-m01 | ECTS 15 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Courses | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | | | |
| | Method of as | ssessment | b) log c) oral d) ora e) pre | ten examination (30 (15 to 30 pages) or examination of one l examination in gro sentation (20 to 45 l age of assessment: | | | | | | | | | |
| o7-MS3PBM- | Pharmaceuti | cal Biology | and M | etabolomics F1 | | | | | | | | | |
| F1-152-m01 | ECTS 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | P (14) + S (1) Module taught in: German and/or English | | | | | | | | | | |
| | Method of as | ssessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | | |

| o7-MS3PBM- | Pharmaceutical Biology and Metabolomics F2 | | | | | | | | | | | |
|-------------|--|-----------------|---|---|------------------------------|-------------|----------|--|--|--|--|--|
| F2-152-m01 | ECTS 1 | 5 Duratio | n 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Courses | | P (29) + S (1) Module taught in: Ger | rman and/or English | | | | | | | | |
| | Method o | of assessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| o7-MS3PPE- | Physiolo | gical Plant Eco | logy F1 | | | | | | | | | |
| F1-152-m01 | ECTS 1 | o Duratio | n 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | P (14) + S (1) Module taught in: Ger | (14) + S (1) Nodule taught in: German and/or English | | | | | | | | |
| | Method o | of assessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| o7-MS3PPE- | Physiological Plant Ecology F2 | | | | | | | | | | | |
| F2-152-m01 | ECTS 1 | 5 Duratio | n 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Courses | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method o | of assessment | b) log (15 to 30 pages c) oral examination of d) oral examination ir e) presentation (20 to |) or fone candidate each (3) groups of up to 3 cand | idates (30 to 60 minutes) or | s) or | | | | | | |
| o7-MS3MCPE- | Molecula | r and Chemica | l Plant Ecology F1 | | | | | | | | | |
| F1-152-m01 | ECTS 1 | o Duratio | | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | _ | P (14) + S (1) Module taught in: German and/or English | | | | | | | | | |
| | Method o | of assessment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |

| o7-MS3MCPE- | Molecu | Molecular and Chemical Plant Ecology F2 | | | | | | | | | | | |
|-----------------|----------------------|---|----------|--------------------------------------|---|-------------------|------------------------------|-------------|----------|--|--|--|--|
| F2-152-m01 | ECTS | 15 | Duration | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | |
| | Course | S | | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method | d of asse | essment | b) log c) ora d) ora e) pre | written examination (30 to 60 minutes, including multiple choice questions) or log (15 to 30 pages) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) or presentation (20 to 45 minutes) or presentation (20 to 45 minutes) | | | | | | | | |
| 07-MS3S-152-m01 | System | าร Biolog | gy | | | | | | | | | | |
| | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (2) - Modu | + S (1) le taught in: German | and/or English | | | | | | | |
| | Method | d of asse | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or b) oral examination in groups of up to 3 candidates (30 to 60 minutes) b) anguage of assessment: German and/or English | | | | | | | | |
| 07-MS3SYF1-152- | Systems Biology F1 | | | | | | | | | | | | |
| mo1 | ECTS 10 Duratio | | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | ` '' | P (14) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method | d of asse | essment | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MS3SYF2-152- | System | าร Bioloยู | gy F2 | | | | | | | | | | |
| mo1 | ECTS | 15 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | |
| | Courses | | | | P (29) + S (1) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | b) log c) ora d) ora e) pre | en examination (30 to 60 minutes, including multiple choice questions) or 15 to 30 pages) or examination of one candidate each (30 to 60 minutes) or examination in groups of up to 3 candidates (30 to 60 minutes) or entation (20 to 45 minutes) ge of assessment: German and/or English | | | | | | | | |

| o7-MS3COB- | Compu | itationa | l Biology | F1 | | | | | | | | |
|-----------------|----------------------|----------|-----------|---|--|--|-------------|----------|--|--|--|--|
| F1-152-m01 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | !S | | | P (14) + S (1) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre |) written examination (30 to 60 minutes, including multiple choice questions) or) log (15 to 30 pages) or) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) or) presentation (20 to 45 minutes) anguage of assessment: German and/or English | | | | | | | |
| o7-MS3COB- | Compu | ıtationa | l Biology | F ₂ | | | , | | | | | |
| F2-152-m01 | ECTS | 15 | Duratio | n | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | |
| | Course | !S | | | P (29) + S (1) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | |
| 07-MSL1-152-m01 | Laboratory Course 1 | | | | | | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | |
| | Course | !S | | P (5) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| | other p | rerequi | sites | Pleas | Please consult with course advisory service in advance. | | | | | | | |

| 07-MSL2-152-m01 | Laboratory Course 2 | | | | | | | | | | | | |
|---------------------|--|-----------|----------|---|---|--|-------------|----------|--|--|--|--|--|
| 07-181312-152-11101 | ECTS | 10 | Duration | | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | | |
| | Course | | Duration | P (15) | 1 Semester | Method of grading (not) successfully completed | Modulitevel | graduate | | | | | |
| | Course | 3 | | | le taught in: Germar | n and/or English | | | | | | | |
| | Method of assessment other prerequisites | | | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| | other p | rerequi | sites | Pleas | e consult with cours | e advisory service in advance. | | | | | | | |
| 07-MSL3-152-m01 | Labora | tory Co | urse 3 | | | | | | | | | | |
| | ECTS | 15 | Duration | 1 | 1 semester | graduate | | | | | | | |
| | Course | S | | P (30) Modu | Nodule taught in: German and/or English | | | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| | other p | rerequi | sites | Please consult with course advisory service in advance. | | | | | | | | | |
| 07-MSA1-152-m01 | Externa | al Interr | ship 1 | | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | | |
| | Course | S | | P (10) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | | |
| | other prerequisites | | | Please consult with course advisory service in advance. | | | | | | | | | |

| 07-MSA2-152-m01 | Externa | al Interr | ıship 2 | | | | | | | | | |
|-----------------|----------------------|-----------|-------------|---|--|-------------------------|------------------------------|-------------|----------|--|--|--|
| | ECTS | 10 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | !S | | | le taught in: Germa | | | | | | | |
| | Method | d of ass | essment | b) log c) ora d) ora e) pre | n) written examination (approx. 30 to 60 minutes, including multiple choice questions) or n) log (approx. 15 to 30 pages) or n) oral examination of one candidate each (30 to 60 minutes) or n) oral examination in groups of up to 3 candidates (30 to 60 minutes) or n) presentation (approx. 20 to 45 minutes) n) presentation (approx. 20 to 45 minutes) n) anguage of assessment: German and/or English | | | | | | | |
| | | rerequi | | Pleas | e consult with cou | rse advisory service in | advance. | | | | | |
| 07-MSA3-152-m01 | | al Interr | | | | | | | | | | |
| | ECTS | 15 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | | | | le taught in: Germa | | | | | | | |
| | Method | d of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| | other p | rerequi | sites | Pleas | e consult with cou | rse advisory service in | advance. | | | | | |
| 07-ML-152-m01 | Linux a | nd Perl | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | ·S | | S (3) Modu | S (3) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MLS1B-152- | Metho | ds in Lif | e Science | s B | | | | | | | | |
| mo1 | ECTS | 7 | Duration | n 1 semester Method of grading (not) successfully completed Modul level graduate | | | | | | | | |
| | Course | ·S | | V (3) Module taught in: English | | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: English | | | | | | | | |

| 07-MLS1-152-m01 | Method | ls in Lif | e Science | !S | | | | | | | | |
|-----------------|----------------------|----------------------|------------|--|--|---|--|-------------|------------|--|--|--|
| | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (3) Modu | le taught in: English | | | | | | | |
| | Method | d of asso | essment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: English | | | | | | | |
| 07-MLS2B-152- | <u> </u> | and Cor | ncepts in | Life Sc | iences B | _ | | | | | | |
| mo1 | ECTS | 7 | Duratio | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | | | | odule taught in: English | | | | | | | |
| | Method | d of asso | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: English | | | | | | | | |
| 07-MLS2-152-m01 | Topics | and Cor | ncepts in | Life Sc | iences | | | | | | | |
| | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (3) Module taught in: English | | | | | | | | |
| | Method | Method of assessment | | | l examination of one l examination in gro | e candidate each (30 oups of up to 3 candid l about the method, l | uding multiple choice question to 60 minutes) or dates (approx. 30 to 60 minute ength and scope of the assess | s) | ne course. | | | |
| 07-MS31B-152- | Current | Metho | ds in Biol | ogy B | | | | | | | | |
| mo1 | ECTS | 7 | Duratio | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | | | V (3) Module taught in: English | | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | | |

| 07-MS31POEK- | Plant E | Plant Ecology B | | | | | | | | | | | | |
|--------------|-------------------------------|-----------------|-----------|---------------------------|--|---|---------------|----------|--|--|--|--|--|--|
| B-152-mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading (not) successfully completed | d Modul level | graduate | | | | | | |
| | Course | S | | V (2) Modu | le taught in: Englis | h | | | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | | | |
| 07-MS31PIP- | Plant I | mmuno | biology a | nd Pha | rmaceutical Biolog | gy B | | | | | | | | |
| B-152-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading (not) successfully completed | d Modul level | graduate | | | | | | |
| | Course | S | , | V (2) Modu | le taught in: Germa | an and/or English | • | | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or b) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | | | |
| o7-MS3BB- | Biophysics and Biochemistry B | | | | | | | | | | | | | |
| B-152-m01 | ECTS 5 Duration | | n | 1 semester | Method of grading (not) successfully completed | d Modul level | graduate | | | | | | | |
| | Course | Courses | | | V (2) Module taught in: English | | | | | | | | | |
| | Method of assessment | | | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | | |
| 07-MS2BT- | Biophy | sics an | d Molecul | lar Bio | technology B | | | | | | | | | |
| B-152-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | | |
| | Course | S | | V (2) Modu | V (2) Module taught in: English | | | | | | | | | |
| | Method of assessment | | | c) ora d) ora Stude | l examination of or il examination in gr ents will be informe | n examination (30 to 60 minutes, including multiple choice questions) or camination of one candidate each (30 to 60 minutes) or camination in groups of up to 3 candidates (30 to 60 minutes) swill be informed about the method, length and scope of the assessment prior to the course. se of assessment: German and/or English | | | | | | | | |

| 07-MS1B-152-m01 | Neurob | iology, | Behaviou | ral Ph | ysiology and Anima | Ecology B | | 1 | | | | |
|-----------------|--|-----------------|----------|--|---|-----------------------------|---------------------|-------------|----------|--|--|--|
| | ECTS | 7 | Duration | 1 | 1 semester | Method of grading (not) suc | cessfully completed | Modul level | graduate | | | |
| | Course | S | • | V (3) Modu | le taught in: English | | | | | | | |
| | | | | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |
| 07-MNBB-152-m01 | Neurog | enetics | of Behav | iour B | | | | | | | | |
| | ECTS | ECTS 5 Duration | | | 1 semester | Method of grading (not) suc | cessfully completed | Modul level | graduate | | | |
| | Courses | | | V (3) Modu | le taught in: English | | | | | | | |
| | Method | d of ass | essment | c) ora d) ora |) written examination (30 to 60 minutes, including multiple choice questions) or) oral examination of one candidate each (30 to 60 minutes) or l) oral examination in groups of up to 3 candidates (30 to 60 minutes) anguage of assessment: German and/or English | | | | | | | |
| o7-MEN- | Neuromodulation and Neuronal Development B | | | | | | | | | | | |
| MNDB-152-m01 | ECTS 5 Duration | | | า | 1 semester | Method of grading (not) suc | cessfully completed | Modul level | graduate | | | |
| | Courses | | | V (3) Modu | le taught in: English | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | |
| 07-MECB-152-m01 | Endoge | enous C | locks B | | | | | ' | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading (not) suc | cessfully completed | Modul level | graduate | | | |
| | Course | S | | V (2) Module taught in: English | | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | | |

| 07-MTÖB-152-m01 | no1 Animal Ecology and Tropical Biology B | | | | | | | | | | | |
|-----------------|---|----------|------------|---|--|--|--------------------------------|-------------|----------|--|--|--|
| | ECTS | 5 | Duration | า | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | 5 | _ | V (2) | | | | , | | | | |
| | | | | | le taught in: Germar | - | | | | | | |
| | Method | of ass | essment | | | o to 60 minutes, incli e candidate each (30 | uding multiple choice question | s) or | | | | |
| | | | | | | | dates (30 to 60 minutes) | | | | | |
| | | | | | | German and/or Engl | ish | | | | | |
| 07-MTÖ2B-152- | | | | | ical Biology 2 B | | | | | | | |
| mo1 | ECTS | 5 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | | | | le taught in: English | | | | | | | |
| | Method | of ass | essment | c) ora d) ora Stude | written examination (30 to 60 minutes, including multiple choice questions) or oral examination of one candidate each (30 to 60 minutes) or oral examination in groups of up to 3 candidates (30 to 60 minutes) udents will be informed about the method, length and scope of the assessment prior to the course. Inguage of assessment: German and/or English | | | | | | | |
| 07-MKB-152-m01 | Animal | Commu | ınication | В | | | | | | | | |
| | ECTS 7 Duratio | | | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | 5 | | | / (2) + S (1) Module taught in: German and/or English | | | | | | | |
| | Method | of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MESB-152-m01 | Experim | nental S | Sociobiolo | ogy B | | | | | | | | |
| | ECTS | 7 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | 5 | | V (2) + S (1) Module taught in: English | | | | | | | | |
| | Method | of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |

| 07-MS2B-152-m01 | Molecu | lar Biol | ogy B | | | | | | | | | |
|------------------|-----------------------------------|----------|----------|--|--|--------------------------------------|-----------|-------------|----------|--|--|--|
| | ECTS | 7 | Duratio | n | 1 semester | Method of grading (not) successfully | completed | Modul level | graduate | | | |
| | Courses | S | | V (3) Modu | V (3) Wodule taught in: German and/or English | | | | | | | |
| | Method | of ass | essment | c) ora d) ora Stude | a) written examination (30 to 60 minutes, including multiple choice questions) or b) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Students will be informed about the method, length and scope of the assessment prior to the course. Language of assessment: German and/or English | | | | | | | |
| 07-MS2INF-B-152- | Infectio | n Biolo | gy B | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | n | 1 semester | Method of grading (not) successfully | completed | Modul level | graduate | | | |
| | Courses | S | | V (2) Modu | 2) dule taught in: German and/or English | | | | | | | |
| | Method of assessment | | | c) ora d) ora Langu | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |
| 07-MS2PA-B-152- | Pathogenicity of Microorganisms B | | | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | | 1 semester | Method of grading (not) successfully | completed | Modul level | graduate | | | |
| | Courses | S | | V (2) Module taught in: English | | | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |
| 07-MBI-B-152-m01 | Bioinfo | rmatics | В | | | | | | | | | |
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading (not) successfully | completed | Modul level | graduate | | | |
| | Courses | S | | V (2) Modu | le taught in: Germa | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | | |

| 07-MS-B-152-m01 | System | ıs Biolo | gy B | | | | | 16 | - | | | |
|-----------------|----------------------|----------|------------|---|--|--------------------|--------------------------------|-------------|----------|--|--|--|
| | ECTS | 5 | Duratio | n | 1 semester | Method of gradin | g (not) successfully completed | Modul level | graduate | | | |
| | Course | S | , | V (2) | lo tought in Corn | an and lar English | | · | | | | |
| | ^^ -+l | | | | Module taught in: German and/or English a) written examination (30 to 60 minutes, including multiple choice questions) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (30 to 60 minutes) Language of assessment: German and/or English | | | | | | | |
| | Method | a or ass | essment | c) ora d) ora | | | | | | | | |
| 07-MKE- | Nucleu | s Works | shop | | | | | | | | | |
| WO-152-m01 | ECTS | 7 | Duratio | 1 | 1 semester | Method of gradin | g (not) successfully completed | Modul level | graduate | | | |
| | Course | S | | Ü (5) Modu | | nan and/or English | | | | | | |
| | Method | d of ass | essment | c) ora d) ora | a) written examination (30 to 60 minutes, including multiple choice questions) or b) 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) anguage of assessment: German and/or English | | | | | | | |
| 07-MTROP-152- | Tropical Ecology | | | | | | | | | | | |
| mo1 | ECTS 5 Duratio | | | <u> </u> | 1 semester | Method of gradin | g numerical grade | Modul level | graduate | | | |
| | Course | S | | Ü (3) | Module taught in: German and/or English | | | | | | | |
| | Method of assessment | | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |
| 07-MPWD-152-m01 | Presen | tation o | f Scientif | ic Data | ı | | | | | | | |
| | ECTS | 5 | Duratio | า | 1 semester | Method of gradin | g (not) successfully completed | Modul level | graduate | | | |
| | Course | S | | S (2) Modu | le taught in: Germ | nan and/or English | | - | | | | |
| | Method | d of ass | essment | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 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) Language of assessment: German and/or English | | | | | | | | |

| 07-MGLN-152-mo1 Quality Assurance, Good Practice, Biosafety and Biosecurity | | | | | | | | | | | |
|---|---|----------|----------|--|---|---|---------------------------------------|-------------|----------|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | 5 | | | V (1) + S (1) Module taught in: German and/or English | | | | | | |
| | Method | of asse | essment | a) written examination (30 to 60 minutes, including multiple choice questions) Language of assessment: German and/or English | | | | | | | |
| 07-MV- | Special Subject Studies Biology and Natural Sciences 4 | | | | | | | | | | |
| MINT4-152-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | | | S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | Method | of asse | essment | b) log c) ora d) ora e) pre |) written examination (30 to 60 minutes, including multiple choice questions) or) log (15 to 30 pages) or) oral examination of one candidate each (30 to 60 minutes) or) oral examination in groups of up to 3 candidates (30 to 60 minutes) or) presentation (20 to 45 minutes) anguage of assessment: German and/or English | | | | | | |
| | other pr | rerequis | sites | Pleas | e consult with cours | e advisory service in | n advance. | | | | |
| 07-MV- | Special Subject Studies Biology and Natural Sciences 4B | | | | | | | | | | |
| MINT4B-152-mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | |
| | Courses | 5 | | S (2) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | | | | b) log c) ora d) ora e) pre Langu | (15 to 30 pages) or I examination of one I examination in gro sentation (20 to 45 age of assessment: | e candidate each (30 pups of up to 3 cand minutes) German and/or Eng | idates (30 to 60 minutes) or glish | s) or | | | |
| | other pr | | | Please consult with course advisory service in advance. | | | | | | | |
| 07-MV- | _ | | | | y and Natural Scier | | | | | | |
| MINT5-152-m01 | ECTS | 6 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | |
| | Courses | | | S (3) Module taught in: German and/or English Course type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | Method of assessment | | | Successful completion as certified by the lecturer Language of assessment: German and/or English | | | | | | | |
| | other pr | rerequis | sites | Pleas | e consult with cours | e advisory service in | n advance. | | | | |

| 07-MV4-152-m01 | Special Subject Studies outside Natural Sciences 4 | | | | | | | | | | | |
|------------------------|--|------------|----------------|--|---|------------------------|--------------------------------------|--------------------|--------------------------|---------------|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | :S | | S (2) | | | | | | | | |
| | | | | | Module taught in: German and/or English | | | | | | | |
| | | | _ | | Course type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | Metho | d of asso | essment | | a) written examination (30 to 60 minutes, including multiple choice questions) or | | | | | | | |
| | | | | | (15 to 30 pages) or | e candidate each (30 | to 60 minutes) or | | | | | |
| | | | | | | | dates (30 to 60 minutes) or | | | | | |
| | | | | e) pre |) presentation (20 to 45 minutes) anguage of assessment: German and/or English | | | | | | | |
| | | _ | | | | | | | | | | |
| | other p | rerequi | sites | Pleas | e consult with cours | se advisory service in | advance. | | | | | |
| 07-MV4B-152-m01 | Specia | l Subjec | t Studies | outsic | de Natural Sciences | 4B | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | !S | | S (2) | | | | | | | | |
| | | | | | odule taught in: German and/or English | | | | | | | |
| | | | | | burse type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | Method | d of asso | essment | | a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (15 to 30 pages) or | | | | | | | |
| | | | | | c) oral examination of one candidate each (30 to 60 minutes) or | | | | | | | |
| | | | | | | | dates (30 to 60 minutes) or | | | | | |
| | | | | e) pre | esentation (20 to 45 | minutes) | - | | | | | |
| | | | | | | : German and/or Engl | | | | | | |
| | other p | rerequi | sites | Pleas | e consult with cours | se advisory service in | advance. | | | | | |
| 07-DR4-152-m01 | Teaching 4 | | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | undergraduate | | | |
| | Course | :S | | S (3) | | | | | | | | |
| | | | | Module taught in: German and/or English | | | | | | | | |
| | | | | | Course type: might also be offered in V, Ü, P, R or E format | | | | | | | |
| | Method | d of asso | essment | | Successful completion as certified by the lecturer | | | | | | | |
| | othorn | rerequi | citos | Language of assessment: German and/or English Please consult with course advisory service in advance. | | | | | | | | |
| | | | | Pleas | e consult with cours | se advisory service in | advance. | | | | | |
| Focus Subject Che | | | | | | | | | | | | |
| 08-SCM3-152-m01 | | | <u>-</u> _ | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | :S | | S (3) | | | | | | | | |
| | Method | d of asse | essment | a) wri | tten examination (a | pprox. 45 to 90 minut | tes) or | | | | | |
| | | | | | b) oral examination of one candidate each (20 to 30 minutes) or | | | | | | | |
| | | | | | c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English | | | | | | | |
| | Language of assessment: German and/or English | | | | | | | | | | | |
| MINT Teacher Education | DITIC Elito | Notwork Da | varia (END) (a | 020) | | | IMII Wijrzhurg • generated 10-Apr-20 | ar a ovam roa data | rocard Culical I Illiana | nage 27 / 112 | | |

| 08-FU-NT-152-m01 | Chemically and bio-inspired Nanotechnology for Material Synthesis | | | | | | | | | | | |
|------------------|---|-----------|-----------|---|---|-------------------------------------|-------------|---------------|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | S | | V (4) | | | | | | | | |
| | Method | d of asso | essment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| 08-AC-ELO-152- | Elemen | tal Org | anic Chen | nistry | | | | | | | | |
| mo1 | ECTS 5 Duratio | | | 1 | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | S | | V (2) - | + Ü (1) | | | | | | | |
| | Method of assessment | | | b) ora c) ora d) log e) pre | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| | Referred to in LPO I | | | § 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f) | | | | | | | | |
| 08-AC-FK-152-m01 | Solid S | tate Ch | emistry | | | | | | | | | |
| | ECTS | 3 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | S | | V (2) | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| | Referred to in LPO I | | | § 22 Nr. 1 h) § 22 Nr. 2 f) § 62 Nr. 1 | | | | | | | | |

| 08-ACM3-161-m01 | Solid state chemistry and inorganic materials | | | | | | | | | | | |
|-----------------------------|---|----------|-------------|---|--|------------------------|-------------------------------|-----------------|-----------------------------|--|--|--|
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | ·S | | S (3) | | <u> </u> | | • | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| | | | | | | | Sh | | | | | |
| o8-For- sch-LAGY-152-mo1 | | | | | Grammar School Te | | () | 1 | <u> </u> | | | |
| 3CII-LAG1-152-11101 | | 8 | Duratio | | 1 semester | Method of grading | (not) successfully completed | Modul level | undergraduate | | | |
| | Course | | | P (16) | | | | | | | | |
| | Method | d of ass | essment | | Log (approx. 20 pages) Language of assessment: German and/or English | | | | | | | |
| | other p | rerequi | sites | Depending on their choice of topic, students who are writing their Hausarbeit (thesis) pursuant to Section 29 LPO I (examination regulations for teaching-degree programmes) in the vertieft studiertes Fach (subject studied with a focus on the scientific discipline) Chemie (Chemistry) are highly recommended to complete module o8-Forsch-LAGY directly before completing module o8-Ch-HA-GY. | | | | | | | | |
| | Additio | nal Info | ormation | Addit | ional information o | n module duration: blo | ck placement / block taught p | ractical course | with a duration of 30 days. | | | |
| | Referre | d to in | LPO I | § 62 | Nr. 4 | | | | | | | |
| 08-OCM-AKP1-161- | Advanced Research Project Organic Chemistry | | | | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | S | | P (20) Module taught in: German or English | | | | | | | | |
| | Method | d of ass | essment | Log (approx. 15 to 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English | | | | | | | | |
| 08-PCM6-161-m01 | Physic | al Chen | nistry (Adv | vanced | l Lab) | | | | | | | |
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | S | | P (4) Modu | | | | | | | | |
| | Method of assessment | | | presentation (approx. 20 minutes) Language of assessment: German and/or English | | | | | | | | |
| | Additio | nal Info | ormation | Additional information on module duration: block taught lab course with approx. 20 working days. | | | | | | | | |

| 08-ACM1-161-m01 | Advanced Inorganic Chemistry | | | | | | | | | | |
|-----------------|-------------------------------|-----------|------------|--|--|---|---------------------------------------|-------------|----------|--|--|
| | ECTS | 10 | Duration | 1 | 2 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | S | | S (3) - | + S (3) | | | | | | |
| | Method | l of asse | essment | | | approx. 90 to 180 mir | | | | | |
| | | | | c) ora d) log e) pre Langu |) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English | | | | | | |
| 08-ACPM-161-m01 | Inorgan | nic Cher | mistry pra | ctical | course for advance | d | | | | | |
| | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | |
| | Courses | S | | P (24) Modu | le taught in: Germa | ın or English | | | | | |
| | Method | l of asse | essment | | | e (approx. 20 pages) :: German and/or Eng | and talk (approx. 15 minutes) lish | | | | |
| | Additio | nal Info | rmation | Addit | dditional information on module duration: block taught lab course with approx. 40 working days. | | | | | | |
| 08-PH-KAC-152- | Clinical-analytical Chemistry | | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | | | V (3) | | | | | | | |
| | Method of assessment | | | | written examination (approx. 120 minutes) Language of assessment: German and/or English | | | | | | |
| o8-PCM1a-161- | Laser S | pectros | сору | | | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | S | | S (2) · Modu | + Ü (1) lle taught in: Germa | ın or English | | | | | |
| | Method | l of asse | essment | b) ora | l examination of or | approx. 90 minutes) one candidate each (a e: German and/or Eng | oprox. 20 minutes) | | | | |
| o8-PCM1b-161- | Advanc | ed Phys | sical Cher | nistry | (Lab) | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | |
| | Courses | S | | P (4) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English | | | | | | | |
| | Additio | nal Info | rmation | Additional information on module duration: block taught lab course with approx. 20 working days. | | | | | | | |

| o8-FU-Ma- | Materi | al Scien | ce 1 (Basi | c intro | duction) | | | | | | | |
|------------------|--------|-----------|------------|---|--|--|-------------|---------------|--|--|--|--|
| Wi1-152-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | ·S | | V (3) - | (3) + Ü (1) | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora d) log e) pre |) written examination (approx. 90 to 180 minutes) or) oral examination of one candidate each (20 to 30 minutes) or) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or) log (approx. 20 pages) or) presentation (approx. 30 minutes) anguage of assessment: German and/or English | | | | | | | |
| o8-FU-Ma- | Materi | al Scien | ce 2 (The | Mater | ial Groups) | | ' | | | | | |
| Wi2-152-mo1 | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | :S | | V (3) - | + Ü (1) | | · | | | | | |
| | Method | u OI assi | essment | b) ora c) ora d) log e) pre | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| 08-FMM-MP-161- | Lab Co | urse Ma | terial Sci | ence | | | | | | | | |
| mo1 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | | |
| | Course | :S | | P (8) | | | | | | | | |
| | Method | d of ass | essment | Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English | | | | | | | | |
| 08-0CM-SYNT-161- | Moder | n Synth | etic Meth | ods | | | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | ·S | | S (2) · Modu | + Ü (1) ıle taught in: Germa | an or English | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |

| o8-BC- | Molecular Biology for Advanced Students | | | | | | | | | | | |
|-----------------|---|---|------------|--|--|------------------------|-----------------|-------------|-------------------------------------|--|--|--|
| MOLMC-161-mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | 5 | | V (2) | + Ü (1) | | | , | | | | |
| | Method | l of asse | essment | | | (approx. 90 to 180 min | | | | | | |
| | | | | b) oral examination of one candidate each (20 to 30 minutes) or | | | | | | | | |
| | | | | | c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| o8-FU-Mo- | Molecu | lar Mat | erials (Le | cture) | | | | | | | | |
| MaV-152-mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Courses | S | | V (3) | + S (1) | | | | | | | |
| | Method | l of asse | essment | | | | | | each (20 to 30 minutes) or c) oral | | | |
| | | | | | | | | | oprox. 20 pages) or e) presentation | | | |
| | | | | | (approx. 30 minutes)] as well as talk (approx. 30 minutes), weighted 3:1 Language of assessment: German and/or English | | | | | | | |
| 08-PC-MBS-152- | Molecu | Molecular structure and spectroscopy | | | | | | | | | | |
| mo1 | | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Courses | S | • | V (2) | + Ü (2) | • | | | | | | |
| | Method | l of asse | essment | a) wri | a) written examination (approx. 90 to 180 minutes) or | | | | | | | |
| | | | | | b) oral examination of one candidate each (20 to 30 minutes) or | | | | | | | |
| | | | | c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or | | | | | | | | |
| | | | | e) pre | e) presentation (approx. 30 minutes) | | | | | | | |
| | | | | | | ent: German and/or Eng | ish | | | | | |
| | D (| 1 | | \$ 62 Nr. 1 | | | | | | | | |
| o BCM | Referre | | | § 62 | Nr. 1 | | | | | | | |
| 08-PCM3-161-m01 | Nanosc | | | | | AA (1 1 C 1' | | AA 1 11 1 | T | | | |
| ļ | | 5 | Duration | | 5 5 | | | | graduate | | | |
| | Courses | 5 | | S (2) + Ü (1) Module taught in: German or English | | | | | | | | |
| | Method | l of asse | essment | a) written examination (approx. 90 minutes) or | | | | | | | | |
| | Method | b) oral examination of one candidate each (approx. 20 minutes) or | | | | | | | | | | |
| | | | | c) talk (approx. 30 minutes) | | | | | | | | |
| | | | | Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | | | | creditable for bonus | | | | | | | | |

| 08-0C3-152-m01 | Organic Chemistry 3 | | | | | | | | | | |
|------------------------|------------------------------|------------|----------------|---|---|---|--|-------------------------------|-------------------------------|---------------|--|
| | ECTS | 6 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul lev | el undergraduate | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| | Referre | d to in I | PO I | § 22 l | Nr. 1 h) Nr. 2 f) Nr. 3 f) | - | | | | | |
| 08-0C4-152-m01 | Organi | c Chem | istry 4 | | | | | | | | |
| | ECTS | 5 | Duration | า | 1 semester | Method of grading | numerical grade | Modul lev | el undergraduate | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | |
| | Method | d of ass | essment | b) ora c) ora d) log e) pre | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | |
| | Referred to in LPO I | | | | Nr. 1 h) Nr. 2 f) Nr. 2 | | | | | | |
| 08-OCM-FM-161- | Organic Functional Materials | | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul lev | el graduate | | |
| | Course | S | | S (3) | S (3) | | | | | | |
| | Method | d of ass | essment | b) ora c) ora d) log e) pre | l examination of o l examination in g (approx. 20 page: sentation (approx | s) or | o to 30 minutes) or dates (approx. 15 min | utes per candidate) o | r | | |
| 08-PCM5-161-m01 | Physic | al Chem | istry of S | upram | olecular Assembli | es | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul lev | el graduate | | |
| | Course | S | | | S (2) + Ü (1) Module taught in: German or English | | | | | | |
| | Method | d of ass | essment | b) ora c) talk | l examination of o | xamination (approx. 90 minutes) or nination of one candidate each (approx. 20 minutes) or rox. 30 minutes) fassessment: German and/or English | | | | | |
| MINT Teacher Education | DI IIS Flita | Notwork Da | varia (ENR) (a | (030) | | | IMII Wiirzburg • genera | ited 10-Anr-2025 • exam. reg. | data record 6 (liable IH)2020 | nage 33 / 112 | |

| 08-PH-KACP-152- | Practic | al cours | e of clinic | cal-ana | alytical Chemistry | | - | | | | |
|-----------------|----------------------|-----------|-------------|---|--|--|-------------|---------------|--|--|--|
| mo1 | ECTS | 5 | Duration | n | 1 semester | Method of grading (not) successfully completed | Modul level | undergraduate | | | |
| | Course | S | | P (5) | (5) | | | | | | |
| | Method | | | | Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English | | | | | | |
| 08-FMM-PA-161- | Project Work | | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | า | 1 semester | Method of grading (not) successfully completed | Modul level | graduate | | | |
| | Course | - | | P (10) | | | | | | | |
| | Method | d of asso | essment | | | d talk (approx. 15 minutes) German and/or English | | | | | |
| 08-TC-152-m01 | Quantu | ım Chen | nistry | | | | | | | | |
| | ECTS | 3 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | |
| | Course | S | | V (2) | + Ü (1) | | | | | | |
| | Method | 1 OI d550 | essmem | b) ora c) ora d) log e) pre Langu | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus | | | | | | |
| | Referre | d to in L | -PO I | § 22 l | l Nr. 1 h) l Nr. 2 f) l Nr. 3 f) | | | | | | |
| 08-PCM2-161-m01 | Statist | ical Med | chanics a | nd Rea | ction Dynamics | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Courses | | | | S (2) + Ü (1) Module taught in: German or English | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |

| 08-PC-SBL1-152- | Symmetry, chemical bonding and light - Part 1 | | | | | | | | | | | |
|-----------------|---|-----------|----------|---|---|-------------------------|--------------------|-------------|---------------|--|--|--|
| mo1 | ECTS | 6 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Course | S | | V (3) | + Ü (2) | - | | | | | | |
| | Method | d of ass | essment | b) ora c) ora d) log e) pre | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| | Referre | d to in I | LPO I | § 22 l | § 22 Nr. 1 h) § 22 Nr. 2 f) § 22 Nr. 3 f) | | | | | | | |
| o8-PCM4-161-mo1 | Ultrafa | st spec | troscopy | and qu | antum-control | | | , | | | | |
| | ECTS | 5 | Duration | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | S (2) Modu | + Ü (1) le taught in: Germ | an or English | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| | other p | rerequi | sites | Prior | completion of mod | ules o8-PCM1a and o8- | PCM1b recommended. | | | | | |
| 08-BC-VPMM-161- | Practical course "Molecular Machines" for advanced students | | | | | | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | P (10) | _ | | | , | | | | |
| | Method of assessment | | | Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English | | | | | | | | |
| | comple | eted | essfully | O8-BC-MOLP | | | | | | | | |
| | | | | Additional information on module duration: block taught lab course with approx. 40 working days. | | | | | | | | |
| o8-BC-VPPD-161- | | | | | | otes" for advanced stud | | | | | | |
| mo1 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | P (10) | | | | | | | | |
| | Method of assessment | | | Log (approx. 20 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English | | | | | | | | |
| | Module comple | | essfully | o8-BC-MOLP | | | | | | | | |
| | Additio | nal Info | rmation | Addit | ional information on module duration: block taught lab course with approx. 40 working days. | | | | | | | |

| 08-BC-VPRB-161- | Practical course "RNA Biochemistry" for advanced students | | | | | | | | | | | |
|-----------------|---|----------|------------|---|---|---|------------------------------|-------------------|----------|--|--|--|
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | P (10) | • | | | | | | | |
| | Method | of ass | essment | | | ıd talk (approx. 15 m | | | | | | |
| | | | | | Language of assessment: German and/or English | | | | | | | |
| | Module comple | | essfully | 08-BC | o8-BC-MOLP | | | | | | | |
| | Additio | nal Info | rmation | Additi | Additional information on module duration: block taught lab course with approx. 40 working days. | | | | | | | |
| 08-BC-VPSB-161- | Practic | al cours | se "Struct | ural Bi | ology" for advanced | l students | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | P (10) | | | | | | | | |
| | Method | d of ass | essment | | | id talk (approx. 15 m German and/or Engl | | | | | | |
| | Modules successfully completed | | | 08-B0 | 98-BC-MOLP | | | | | | | |
| | Additio | nal Info | rmation | Additi | onal information on | module duration: bl | ock taught lab course with a | pprox. 40 working | days. | | | |
| 08-TCM1-161-m01 | Selected Topics in Theoretical Chemistry | | | | | | | | | | | |
| | ECTS 5 Duratio | | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | S (2) - | $S(2) + \ddot{U}(2)$ | | | | | | | |
| | Method | of ass | essment | a) written examination (approx. 90 to 180 minutes) or | | | | | | | | |
| | | | | | b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or | | | | | | | |
| | | | | | (approx. 20 pages) | | iates (approx. 15 minutes pe | er candidate) or | | | | |
| | | | | | sentation (approx. 3 | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | |
| 08-ACM2-161-m01 | Bioinor | ganic C | hemistry | | , | ' | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | S (3) Modu | S (3) Module taught in: German or English | | | | | | | |
| | Method | of ass | essment | | | prox. 45 to 90 minu | | | | | | |
| | | | | b) oral examination of one candidate each (20 to 30 minutes) or | | | | | | | | |
| | | | | c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English | | | | | | | | |

| 08-SCM4-161-m01 | Supran | nolecula | r Chemis | try (Ad | vanced Lab) | | | | | | |
|-----------------|--------------------------------|-----------|--|---|---|----------------------|-------------------------------|-----------------|----------|--|--|
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading (| (not) successfully completed | Modul level | graduate | | |
| | Course | S | | P (6) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | presentation (approx. 20 minutes) Language of assessment: German and/or English | | | | | | | |
| | Modules successfully completed | | | 08-SCM2 | | | | | | | |
| | Additio | nal Info | rmation | Additi | onal information on | module duration: blo | ck taught lab course with app | rox. 20 working | g days. | | |
| 08-SCM1-152-m01 | Supran | olecula | r Chemis | try (Ba | sics) | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading r | numerical grade | Modul level | graduate | | |
| | Course | S | | S (3) | (3) | | | | | | |
| | Method | l of asse | essment | b) ora | a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English | | | | | | |
| 08-TCM2-161-m01 | Basics | and App | olications | of Qua | antum Chemistry | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading r | numerical grade | Modul level | graduate | | |
| | Course | S | | $S(2) + \ddot{U}(2)$ | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| 08-MCM1-161-m01 | Practic | al cours | e medicii | nal che | mistry | | | | | | |
| | ECTS | 10 | Duratio | | 1 semester | Method of grading (| (not) successfully completed | Modul level | graduate | | |
| | Courses | | | P (10) Module taught in: German or English | | | | | | | |
| | Method of assessment | | Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) as well as report (30 to 50 pages) Language of assessment: German and/or English | | | | | | | | |

| 08-OCM-NAT-172- | Modern Aspects of Natural Product Chemistry and Biological Chemistry | | | | | | | | | | | |
|-----------------|--|--|--|--|--|--|--|--|--|--|--|--|
| mo1 | ECTS 5 Du | ıration | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | | |
| | Courses | S /M | S /Module taught in: German or English | | | | | | | | | |
| | Method of assessr | b) (c) (d | a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) Language of assessment: German and/or English | | | | | | | | | |
| | Participants and a cation of places | ces jec | Master's degree programme Chemie (Chemistry): no limitation. Master's degree programme Biochemie (Biochemistry): 20 places. Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot A waiting list will be maintained and places re-allocated as they become available. | | | | | | | | | |
| 08-BC-MOLP-172- | Molecular Biology | laborato | y course | | | | | | | | | |
| mo1 | ECTS 10 Du | ıration | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | | | |
| | Courses | P (| | n (approx. 45 to 90 minutes) or | | | | | | | | |
| | | c) c d) c e) p f) p ma Lar Ass | 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 a cation of places | Sel nui ave lot. nui bee Che gre bei wa ter me wit | mber of available perage grade of succe. Quota 2 (one third mber of subject sercome available. emie (Chemistry), Me programme Cherce of subject semestiting list will be ma procedure 1 is finise MINT-Lehramt PLU h the same numbe | istry) 24 places. chemie (Biochemistry), Bachelor's (180 EColaces, places will be allocated according to cessfully completed modules; among applied of places): number of subject semesters mesters, places will be allocated by lot. A waster's and MINT-Lehramt PLUS Master's mie (Chemistry) (120 ECTS credits) will be cotters. Among applicants with the same numaintained and places re-allocated by lot as shed completely, theses places will be discorded according to the same shed completely, these shaces will be allocated according to the same and places will be allocated according to the same sters, places will be allocated by become available. | o the following quotas: Quo cants with the same averag of the respective applicant; vaiting list will be maintained of places. Selection processionsidered first: Places will ber of subject semesters, places become available. 2. In tributed among the students or ding to the number of subject semination of subject seminations. | ota 1 (two thirds of places): current the grade, places will be allocated by among applicants with the same and places re-allocated as they so that the same are allocated as they so that the same are places will be allocated by lot. And case that there are places left afsin the Master's degree programment of the same sters. Among applicants | | | | | | |

| 08-TCM3-161-m01 | Numer | ical Met | hods and | Progra | amming | | | | | | | | |
|-----------------|----------------------|--------------------------------------|------------|---|---|----------------------|-----------------|-------------|----------|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) - | + Ü (2) | | | | | | | | |
| | Method of assessment | | | b) ora c) ora d) log e) pre | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| 08-HKM1-152-m01 | Organo | and R | iocatalysi | | iage of assessment | : German and/or Engi | 1511 | | | | | | |
| 00-1101 | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | | S (3) | | , , | | | 10 | | | | |
| | Method of assessment | | | b) ora c) ora | a) written examination (approx. 45 to 90 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (15 to 30 minutes per candidate) anguage of assessment: German and/or English | | | | | | | | |
| 08-MCM2a-161- | Pharma | Pharmaceutical/Medicinal Chemistry 1 | | | | | | | | | | | |
| mo1 | ECTS 5 Duration | | | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | | V (3) | | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | | |
| o8-MCM2b-161- | Pharma | aceutica | al/Medicii | nal Che | emistry 2 | | | | | | | | |
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (3) | V (3) | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | | |

| 03-FU-PM1-152- | Polyme | r Chem | istry 1 (Le | cture | and Practical Cour | se) | | | - | | | |
|-----------------|----------------------|----------|--------------|--|--|----------------------|----------------------------|-------------|---------------|--|--|--|
| mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading nu | ımerical grade | Modul level | undergraduate | | | |
| | Course | S | | V (2) | + P (2) | | | • | | | | |
| | Method | l of ass | essment | prox. Langu Asses | a) assessment and b) Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical assignments (2 to 4 random examinations) Language of assessment: German and/or English Assessment offered: Once a year, winter semester creditable for bonus | | | | | | | |
| 03-FU-PM2-161- | Polymers II | | | | | | | | | | | |
| mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading nu | ımerical grade | Modul level | graduate | | | |
| | Course | 5 | | S (2) | + Ü (1) | <u> </u> | | • | | | | |
| | Method | l of ass | essment | b) ora c) tall | a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) or c) talk (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| o8-HKM3AC-161- | Practic | al cour | se "Homo | geneo | eneous catalysis in Inorganic Chemistry" | | | | | | | |
| mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading (n | ot) successfully completed | Modul level | graduate | | | |
| | Courses | | | P (6) Modu | le taught in: Germ | an or English | | | | | | |
| | Method of assessment | | | report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English | | | | | | | | |
| o8-HKM3OC-161- | Practic | al cour | se "Homo | geneous catalysis in Organic Chemistry" | | | | | | | | |
| mo1 | ECTS | 5 | Duratio | | | | | | | | | |
| | Course | S | | P (6) Module taught in: German or English | | | | | | | | |
| | Method | d of ass | essment | report on practical course (approx. 10 pages) and talk (approx. 15 minutes) Language of assessment: German and/or English | | | | | | | | |
| 08-SCM2-161-m01 | Supran | olecul | ar Chemis | try (Pr | actical Course) | | | | | | | |
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading (n | ot) successfully completed | Modul level | graduate | | | |
| | Course | S | | P (6) Module taught in: German or English | | | | | | | | |
| | Method of assessment | | | Vortestate/Nachtestate (pre and post-experiment examination talks approx. 15 minutes each, log approx. 5 to 10 pages each) and assessment of practical performance (2 to 4 random examinations) Language of assessment: German and/or English | | | | | | | | |
| | Module comple | | essfully | 08-SCM1 | | | | | | | | |

| 08-TCM4-161-m01 | Quantı | ım Dyna | mics | | | | | | | | | |
|--------------------------|------------------------|-------------|----------------|---|---|-----------------------|------------------------------------|-----------------------|--|--|--|--|
| Ī | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | ·S | | S (2) · | S (2) + Ü (2) | | | | | | | |
| | Metho | d of asse | essment | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or | | | | | | | | |
| | | | | | | | | andidata) ar | | | | |
| | | | | | c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| | | | | e) pre | | | | | | | | |
| | | | | | | | | | | | | |
| <u></u> | | | nometall | ic che | nistry and its appli | cation in homogeneo | <u> </u> | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | :S | | S (3) Modu | le taught in: Germa | n or English | | | | | | |
| | Method of assessment | | | b) ora c) ora | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or | | | | | | | |
| | | | | e) pre Langu | d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | |
| 08-HKM4-161-m01 | Advano | ed trans | sition me | tal che | mistry | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| Į | Course | S | | S (3) | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 180 minutes) or b) oral examination of one candidate each (20 to 30 minutes) or c) oral examination in groups of up to 3 candidates (approx. 15 minutes per candidate) or d) log (approx. 20 pages) or e) presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| 08-TCAP1-161-m01 | Theore | tical Ch | emistry - | | | | | 1 | _ | | | |
| <u> </u> | | 5 | Duration | | 1 semester | · · | (not) successfully completed | Modul level | graduate | | | |
| | Course | :S | , | P (5) | | • | | • | | | | |
| | Metho | d of asse | essment | | | | | | | | | |
| | Additio | nal Info | rmation | Addit | onal information or | n module duration: bl | ock taught lab course with app | rox. 20 workin | g days. | | | |
| 08-TCAP2-161-m01 | Theore | tical Ch | emistry - | Projec | t course quantum d | lynamics | | | | | | |
| Ī | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Course | :S | | P (5) | | | | | | | | |
| | Method of assessment | | | presentation (approx. 30 minutes) Language of assessment: German and/or English | | | | | | | | |
| Ī | Additional Information | | | Additional information on module duration: block taught lab course with approx. 20 working days. | | | | | | | | |
| MINT Teacher Education P | LUS, Elite | Network Bay | varia (ENB) (2 | 1020) | | 1 | JMU Würzburg • generated 19-Apr-20 | 025 • exam. reg. data | record 64 i22 - - H 2020 page 41 / 112 | | | |

| 08-MCM3-172-m01 | Drug design | | | | | | | | | | | |
|--------------------------|--|-----------|--|---|---|--|-------------------------|--------------------------|--|--|--|--|
| 55 MGM 1/2 MOI | ECTS | 5 | Duration | <u> </u> | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | , | | S (2) + Ü (1) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | | presentation (approx. 30 minutes) with discussion Language of assessment: German and/or English | | | | | | | |
| | Participants and allo- cation of places | | the sa will b Place seme ces w | 22 places. 16 places for students of the Master's degree programme Chemie (Chemistry): Places will be allocated according to the same number of subject semesters; students who have chosen Medizinische Chemie (Medicinal Chemistry) as their focus will be given preferential consideration. 6 places for students of the Master's degree programme Biochemie (Biochemistry): Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot.2 places for students of the Master's degree programme MINT-Lehramt PLUS: Places will be allocated according to the number of subject semesters; among applicants with the same number of subject semesters, places will be allocated by lot; a waiting list will be maintained and places re-allocated by lot as they become available. | | | | | | | | |
| Focus Subject Com | puter Sc | ience (6 | o ECTS c | redits) | | | | | | | | |
| 10-HCl=3DUI-161- | 3D User Interfaces | | | | | | | | | | | |
| mo1 | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | $V(2) + \ddot{U}(2)$ | | | | | | | | |
| | Method of assessment | | | presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | nal Info | rmation | Focus | es available for s | tudents of the Master's programme Informatik | k (Computer Science, 12 | o ECTS credits): HCI,GE. | | | | |
| | Referre | d to in L | PO I | § 22 l | II Nr. 3 b) | | | | | | | |
| 10-l=HCl-161-m01 | Introdu | ıction in | to Humai | n-Com | puter Interaction | | ' | | | | | |
| | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (3) + Ü (1) | | | | | | | | |
| | Method of assessment | | | presentation of project results (approx. 30 minutes) Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI. | | | | | | | | |

| 10-HCI=RIS-182- | Real-Tim | e Interactive S | /stems | | | | ' | | | | | |
|------------------|---------------------------|-------------------|--|--|--|------------------------|--------------------|-----------------------|--|--|--|--|
| mo1 | ECTS | 5 Duratio | n 1 semest | er | Method of grading nur | nerical grade | Modul level | graduate | | | | |
| | Courses | | V (2) + Ü (2) | | | | | | | | | |
| | Method | of assessment | If announced by of one candidate). | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). It is a substant of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course, the written examination may be replaced by an oral examination of the course of the | | | | | | | | |
| | | | creditable for bonus | | | | | | | | | |
| | Addition | al Information | | | tudents of the Master's prog n 3 Sentence 8 FSB (subjec | | mputer Science, 12 | o ECTS credits): HCI. | | | | |
| | Referred | to in LPO I | § 22 II Nr. 3 b) | | | | | | | | | |
| 10-I-REP-152-m01 | Exam Tu | torial for the Go | rman Staatsexa | men | | | , | | | | | |
| | ECTS 2 | 4 Duratio | 1 2 semes | er | Method of grading (no | t) successfully comple | ted Modul level | undergraduate | | | | |
| | Courses | , | Ü (2) | | | | | | | | | |
| | Method | of assessment | One exercise per area covered in the state examination | | | | | | | | | |
| | Referred | to in LPO I | § 22 II Nr. 2 f) § 22 II Nr. 3 b) | | | | | | | | | |
| 10-l-3D-152-m01 | 3D Point Cloud Processing | | | | | | | | | | | |
| | ECTS 4 | Duratio | n 1 semest | er | Method of grading num | nerical grade | Modul level | undergraduate | | | | |
| | Courses | | V (2) + Ü (2) | | | | | | | | | |
| | Method | of assessment | If announced by of one candidate). Language of as | written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per c date). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Referred | to in LPO I | § 22 II Nr. 3 b) | | | | | | | | | |
| 10-I=AA-152-m01 | | d Automation | | | | | | | | | | |
| | ECTS 8 | B Duratio | n 1 semest | er | Method of grading nur | nerical grade | Modul level | graduate | | | | |
| | Courses | | V (4) + Ü (2) | | | | | | | | | |
| | Method | of assessment | written examina creditable for b | written examination (approx. 60 to 120 minutes) creditable for bonus | | | | | | | | |
| | Addition | al Information | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,ES,LR,GE | | | | | | | | | |
| | Referred | to in LPO I | § 22 II Nr. 3 b) | | | | | | | | | |

| 10-l=AGIS-161-m01 | Algorit | hms for | Geograp | hic Info | ormation Systems | | | | | | | |
|-------------------|------------------------|----------|-----------|---|---|--|-------------------|------------------|--|--|--|--|
| | ECTS | 5 | Duration | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | <u> </u> | V (2) · | + Ü (2) | • | • | | | | | |
| | Method | d of ass | essment | If ann of one date). Langu | written examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additional Information | | | Focus AT,IS, | | dents of the Master's programme Informatik (Comp | outer Science, 12 | o ECTS credits): | | | | |
| 10-l=AG-161-m01 | Compu | tationa | l Geometi | ry | | | | | | | | |
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | | | | V (2) + Ü (2) | | | | | | | |
| | Method of assessment | | | If ann of one date). Langu | 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,HCI,GE | | | | | | | | |
| 10-l-AGT-152-m01 | Algorit | hmic Gı | raph Theo | ry | | | | | | | | |
| | ECTS | 5 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | | | V (2) + Ü (2) | | | | | | | | |
| | Method | d of ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Referred to in LPO I | | | § 22 l | l Nr. 3 b) | | | | | | | |

| 10-l=APA-161-m01 | Approx | imatio | n Algorith | ms | | | | | | | | |
|------------------|----------------------|----------|------------|-----------------------------------|---|--------------------------|------------------------|----------------------|------------------|--|--|--|
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) | / (2) + Ü (2) | | | | | | | |
| | Method | d of ass | essment | If anr of on date) Langi | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additio | nal Info | ormation | Focus AT,IT, | | udents of the Master's p | rogramme Informatik (C | omputer Science, 120 | o ECTS credits): | | | |
| | Referre | d to in | LPO I | § 22 l | I Nr. 3 b) | | | | | | | |
| 10-I=AUT-161-m01 | Automa | ata The | ory | | | | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) | + Ü (2) | | | | -, | | | |
| | Method of assessment | | | If anr of on date) Langi | 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cadate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | | | | Focus | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, IT, ES, HCI, GE | | | | | | | |
| 10-l=AVS-161-m01 | | s Syste | ems | | | | | | | | | |
| | ECTS | 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | | | | + Ü (2) | | | , | | | | |
| | Method | d of ass | essment | If anr of on date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additio | nal Info | ormation | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES,LR | | | | | | | |

| 10-l=BER-161-m01 | Compu | tability | Theory | | | , | | | | | | |
|--------------------------|------------------------|------------|-----------------|---|---|------------------------|-------------------------|------------------------------------|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | | |
| | Method | d of ass | essment | If ann of one date). | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additional Information | | | Focus | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IT,IS,GE | | | | | | | |
| 07-Bl-161-m01 | Bioinfo | rmatics | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Course | | | V (2) - | + Ü (2) | | - | | | | | |
| | Metrio | u oi ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| 10-I=CB-161-m01 | Compiler Construction | | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | V (2) - | + Ü (2) | | | | | | | |
| | | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per date). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | nal Info | rmation | Focus SE,IT, | | udents of the Master's | s programme Informatik | (Computer Science, 12 | o ECTS credits): | | | |
| 10-l-DM-152-m01 | Data M | ining | | | | | | , | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Course | S | • | V (2) - | + Ü (2) | • | | | | | | |
| | Method of assessment | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Referred to in LPO I | | | § 22 II Nr. 3 b) | | | | | | | | |
| MINT Teacher Education F | PLUS, Elite | Network Ba | avaria (ENB) (2 | 020) | | | JMU Würzburg • generate | ed 19-Apr-2025 • exam. reg. data ı | record 64 i22 - - H 2020 page 46 / 112 | | | |

| 10-l=DB2-161-m01 | Databa | ses 2 | | | | | | | | | |
|------------------|------------------------|----------|----------|--|---|--|--------------------|-------------------------------|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) | + Ü (2) | | | | | | |
| | Method | d of ass | essment | If ann of one date) Langu | anguage of assessment: German and/or English reditable for bonus | | | | | | |
| | Additio | nal Info | rmation | Focus | es available for stu | idents of the Master's programme Informatik (Cor | nputer Science, 12 | o ECTS credits): SE, IS, HCI. | | | |
| 10-l=DDB-172-m01 | Deduct | ive Data | abases | | | | | | | | |
| | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) | + Ü (2) | • | , | | | | |
| | Method of assessment | | | If ann of one date) Langu credit | replaced by an oral examination s (approx. 15 minutes per candi- | | | | | | |
| . 50 / | | | | Focus | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, IS. | | | | | | |
| 10-l=ES-161-m01 | Embed | <u>-</u> | 1 | | | Tak it I c ii I ii ii | | 1 | | | |
| | | 8 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Method of assessment | | | $V(4) + \ddot{U}(2)$ written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additional Information | | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,ES,LR,GE | | | | | | |

| 10-l=EL-161-m01 | E-Learr | ning | | | | | , | | | | | |
|------------------|------------------------|----------------------|------------|--|---|--|---------------------|------------------|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | • | V (2) | + Ü (2) | · | | • | | | | |
| | Method | d of ass | essment | If ann of one date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candilate). anguage of assessment: German and/or English reditable for bonus | | | | | | | |
| | Additional Information | | | | es available for st IS,HCI,GE | tudents of the Master's programme Informatik (Co | omputer Science, 12 | o ECTS credits): | | | | |
| 10-I=PA-161-m01 | Analys | is and D | esign of l | Progra | ms | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (2) | $(2) + \ddot{U}(2)$ | | | | | | | |
| | | Method of assessment | | | If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examonation of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes p date). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IS,ES,GE | | | | | | | | |
| 10-I=APR-161-m01 | Advanc | Advanced Programming | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | S | | $V(2) + \ddot{U}(2)$ | | | | | | | | |
| | Method | d of ass | essment | If ann of one date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additio | nal Info | rmation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IS,LR, HCI, ES,GE | | | | | | | | |

| 10-I-APR-172-m01 | Advanc | Advanced Programming | | | | | | | | | | | | |
|------------------|---------|----------------------|-----------|------------------------------------|---|-------------------|------------------------------|-------------|---------------|--|--|--|--|--|
| | ECTS | 5 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | | |
| | Course | S | | V (2) | + Ü (2) | | | | | | | | | |
| | Method | l of ass | essment | If ann of one date) Langu | ritten examination (approx. 60 to 120 minutes). announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination fone candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candiate). anguage of assessment: German and/or English reditable for bonus | | | | | | | | | |
|] | Referre | d to in I | PO I | | Nr. 3 b) | | | | | | | | | |
| 10-I-HWP-152-m01 | | | e in hard | | 1 111. 3 0) | | | | | | | | | |
| | | 10 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | undergraduate | | | | | |
| | Course | S | | P (6) | | , , , | , , , | | | | | | | |
| | Method | l of ass | essment | | portfolio: completion of approx. 3 to 10 project assignments (approx. 250 hours total) and presentation of results (approx. 10 ninutes per project) | | | | | | | | | |
| | Referre | d to in I | PO I | § 22 l | 3 22 II Nr. 3 b) | | | | | | | | | |
| 10-I=IR-161-m01 | Informa | ation Re | trieval | | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (2) | + Ü (2) | | | | | | | | | |
| | Method | l of ass | essment | If ann of one date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | Additio | nal Info | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,HCI,GE | | | | | | | | | |
| 10-I-ICG-152-m01 | | tive Co | nputer Gr | | 5 | | | | | | | | | |
| | | 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | | |
| | Course | | | | + Ü (2) | | | | | | | | | |
| | Method | l of ass | essment | If ann of one date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | Referre | d to in I | PO I | § 22 II Nr. 3 b) | | | | | | | | | | |

| 10-I-KT-191-m01 | Compu | tationa | Complex | ity | | | | | | | |
|------------------|---------|-----------|----------|---|---|-------------------------------------|-------------|---------------|--|--|--|
| | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | |
| | Course | S | | V (2) - | + Ü (2) | | , | | | | |
| | Method | d of ass | essment | If ann of one date). Langu | anguage of assessment: German and/or English ssessment offered: In the semester reditable for bonus | | | | | | |
| | Referre | d to in I | -PO I | § 22 l | l Nr. 3 b) | | | | | | |
| 10-l=KT2-161-m01 | Compu | | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | | | V (2) - | | | | | | | |
| | Method | i or ass | essment | If ann of one date). Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | |
| | Additio | nal Info | rmation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, ES | | | | | | | |
| 10-l-KD-191-m01 | Cryptog | graphy | and Data | Securi | ty | | | | | | |
| | ECTS | 5 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | |
| | Course | _ | | V (2) - | | | | _ | | | |
| | | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| | Referre | d to in I | _PO I | § 22 l | l Nr. 3 b) | | | | | | |

| 10-l-LOG-152-m01 | Logic for informatics | | | | | | | | | | | | |
|------------------|-----------------------|---------|-----------|---|---|------------------------|-----------------------|---------------------------|--|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Courses | ; | <u> </u> | V (2) - | + Ü (2) | <u>'</u> | | | <u> </u> | | | | |
| | Method | of asse | | | | prox. 60 to 120 minute | | | | | | | |
| | | | | | | | | | replaced by an oral examination | | | | |
| | | | | or one date). | | approx. 20 minutes) or | an oral examination i | n groups of 2 candidates | s (approx. 15 minutes per candi- | | | | |
| | | | | Langu | Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | | | | | | | | | | | | | |
| | Referred | | | § 22 l | l Nr. 3 b) | | | , | | | | | |
| 10-I-PV-152-m01 | Project | | | | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Courses | - | | S (5) | | | | | | | | | |
| | Method | of asse | essment | | presentation of a project developed by the candidate analogous to a presentation for laypersons with a knowledge of compu- | | | | | | | | |
| | | | | | er science at a trade fair as well as discussion (approx. 10 to 15 minutes total) anguage of assessment: German and/or English | | | | | | | | |
| | Referred | to in I | PO I | | I Nr. 3 b) | a derman ana, or Engl | 311 | | | | | | |
| 10-I-RAL-152-m01 | | | er system | | 9, | | | | | | | | |
| | | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Courses | 5 | | V (4) + Ü (2) | | | | | | | | | |
| | Method | of asse | | written examination (approx. 60 to 120 minutes). | | | | | | | | | |
| | | | | | | | | | replaced by an oral examination s (approx. 15 minutes per candi- | | | | |
| | | | | date). | | approx. 20 minutes) or | an oral examination i | in groups of 2 candidates | s (approx. 15 minutes per candi- | | | | |
| | | | | | able for bonus | | | | | | | | |
| 10-I-RAK-152-m01 | Comput | er Arch | itecture | | | | | , | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Courses | 5 | | V (2) - | + Ü (2) | | | | | | | | |
| | Method | of asse | | | | prox. 60 to 120 minute | | | | | | | |
| | | | | | | | | | replaced by an oral examination | | | | |
| | | | | of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). | | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | | |
| | | | | | creditable for bonus | | | | | | | | |
| | | | | § 22 Nr. 3 b) | | | | | | | | | |
| | | | | § 69 l Nr. 1 c): Rechnerarchitektur | | | | | | | | | |

| 10-I-RIÜ-191-m01 | Computer Networks and Information Transmission | | | | | | | | | | | | |
|-------------------|--|-----------|-----------|--|---|-----------------------|-------------------------|---------------------------|---|--|--|--|--|
| | ECTS | 10 | Duration | 1 | 1 semester | Method of gradin | g numerical grade | Modul level | undergraduate | | | | |
| | Courses | S | | V (4) | + Ü (2) | | · | | | | | | |
| | Method | of ass | essment | | | prox. 60 to 120 minu | | | | | | | |
| | | | | of on date | e candidate each (| | | | replaced by an oral examination s (approx. 15 minutes per candi- | | | | |
| | Referre | d to in I | LPO I | § 22 | 22 Nr. 3 b), § 69 Nr. 1 c) | | | | | | | | |
| 10-I=RK-161-m01 | Comput | ter Net | works and | Com | munication Systen | ns | | , | | | | | |
| | ECTS | 8 | Duration | 1 | 1 semester | Method of gradin | g numerical grade | Modul level | graduate | | | | |
| | Courses | S | | V (4) | + Ü (2) | | | - | | | | | |
| | Method | l of ass | essment | If and of on date) Sepa Lang | written examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | nal Info | rmation | Focu | ses available for st | tudents of the Master | 's programme Informatik | (Computer Science, 12 | o ECTS credits): IT, ES, LR. | | | | |
| 10-I-SEM1-152-m01 | Semina | r - Sele | cted Topi | cs in Computer Science 1 | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of gradin | g numerical grade | Modul level | undergraduate | | | | |
| | Courses | S | | S (2) | | | | | | | | | |
| | Method | l of ass | essment | pic fr | om the field of cor | | , | x. 30 to 45 minutes) with | h subsequent discussion on a to- | | | | |
| | Referre | d to in I | LPO I | § 22 | II Nr. 3 b) | | | | | | | | |
| 10-I-TIV-152-m01 | Theoret | tical Inf | formatics | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of gradin | g numerical grade | Modul level | undergraduate | | | | |
| | Courses | | | | | | | | | | | | |
| | Method | l of ass | essment | If and | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). | | | | | | | | |
| | Referred to in LPO I | | | § 49 Nr. 1 a) § 69 Nr. 1 a) | | | | | | | | | |

| 10-I-TIT-191-m01 | Tutorial The | oretical Info | ormatio | S | | | " | | | | | |
|------------------|--------------|---------------|---|---|-------------------|------------------------------|-------------|---------------|--|--|--|--|
| | ECTS 5 | Duratio | n | 1 semester | Method of grading | (not) successfully completed | Modul level | undergraduate | | | | |
| | Courses | · | Ü (2) | _ | | | , | | | | | |
| | Method of a | ssessment | group b) wri | a) exercises (consisting in completion of approx. 11 home work exercise sheets, presentation of own solutions in the exercise groups as well as approx. 5 short assessments written in the exercise group) or b) written examination (approx. 180 to 240 minutes) Die Prüfungsart ist vom Prüfling festzulegen | | | | | | | | |
| 10-I-WBS-152-m01 | Knowledge- | based Syste | ems | ns | | | | | | | | |
| | ECTS 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Courses | | V (2) | + Ü (2) | | | | | | | | |
| | Method of a | | If ann of on date) Langu | tten examination (approx. 60 to 120 minutes). Innounced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examinatione candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per carte). Inguage of assessment: German and/or English ditable for bonus | | | | | | | | |
| | Referred to | in LPO I | § 22 l | § 22 II Nr. 3 b) | | | | | | | | |
| 10-l=AKA-161-m01 | | pics in Algo | rithms | | | | | | | | | |
| | ECTS 5 | Duratio | , | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + Ü (2) | | | | | | | | |
| | Method of a | ssessment | If ann of on date) Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additional I | nformation | Focus AT | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT | | | | | | | | |
| 10-l=A- | Selected To | pics in Emb | edded | Systems | | | | | | | | |
| KES-161-m01 | ECTS 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | V (2) | + Ü (2) | | | | | | | | |
| | Method of a | ssessment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | Additional I | nformation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES. | | | | | | | | | |

| 10-I=AKH- | Selected Topics in HCI | | | | | | | | | | | | |
|-------------------|------------------------|-----------|-------------|--|---|------------------------|--------------------------------|-------------------|--|--|--|--|--|
| Cl-182-m01 | ECTS | 5 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | :S | | V (2) | + Ü/S (2) | • | | | | | | | |
| | Metho | d of ass | essment | | en examination (60 | | | | | | | | |
| | | | | | f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candi- | | | | | | | | |
| | | | | of on date) | | approx. 20 minutes) o | r an oral examination in group | os of 2 candidate | s (approx. 15 minutes per candi- | | | | |
| | | | | | | t: German and/or Eng | lish | | | | | | |
| | | | | | reditable for bonus | | | | | | | | |
| | Additional Information | | | Focus | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI. | | | | | | | | |
| 10-l=AKII-182-m01 | Selecte | ed Topio | cs in Com | outer S | Science | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | !S | | V (2) | + Ü/S (2) | ' | • | • | | | | | |
| | Metho | d of ass | essment | | | prox. 60 to 120 minut | | | _ | | | | |
| | | | | | | | | | replaced by an oral examination | | | | |
| | | | | | | approx. 20 minutes) o | r an oral examination in group | s of 2 candidate | s (approx. 15 minutes per candi- | | | | |
| | | | | date) | are). Inguage of assessment: German and/or English | | | | | | | | |
| | | | | | creditable for bonus | | | | | | | | |
| 10-l=AKIS-161-m01 | Selecte | ed Topic | cs in Intel | ligent | Systems | 1 | | 1 | | | | | |
| | ECTS 5 Duratio | | | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | !S | | V (2) | / (2) + Ü (2) | | | | | | | | |
| | Metho | d of ass | essment | | written examination (approx. 60 to 120 minutes). f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination | | | | | | | | |
| | | | | | | | | | replaced by an oral examination s (approx. 15 minutes per candi- | | | | |
| | | | | date) | | approx. 20 minutes) o | r an oral examination in group | is of 2 candidate | s (approx. 15 minutes per candi- | | | | |
| | | | | | | t: German and/or Eng | lish | | | | | | |
| | | | | | table for bonus | , 3 | | | | | | | |
| | Additio | nal Info | ormation | Focus | ses available for stu | udents of the Master's | programme Informatik (Comp | outer Science, 12 | o ECTS credits): IS. | | | | |
| 10-l=AKIT-161-m01 | Selecte | ed Topic | cs in Inter | net Te | chnologies | | | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | 25 | · | V (2) | + Ü (2) | | | , | | | | | |
| | Metho | d of ass | essment | | | prox. 60 to 120 minut | | | | | | | |
| | | | | If anr | f announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examination | | | | | | | | |
| | | | | | of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate) | | | | | | | | |
| | | | | date). Language of assessment: German and/or English | | | | | | | | | |
| | | | | creditable for bonus | | | | | | | | | |
| | Additio | onal Info | ormation | on Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT. | | | | | | | | | |
| | | | - | | | | | - | · · | | | | |

| 10-l=A- | Selected Topics in IT Security | | | | | | | | | | | | |
|------------------|--------------------------------|----------|-------------|---|--|---|----------------------|-----------------------------------|--|--|--|--|--|
| KITS-172-m01 | ECTS | 5 | Duration | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | | V (2) + Ü (2) Module taught in: English | | | | | | | | |
| | Method | d of ass | essment | If ann of one date). Langu | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus | | | | | | | | |
| | Additional Information | | | Focus ES. | es available for stu | udents of the Master's programme Informatik (| Computer Science, 12 | o ECTS credits): SE, IS, LR, HCI, | | | | | |
| 10-I=AKL- | Selecte | d Topic | cs in Aero: | space | ace Engineering | | | | | | | | |
| R-161-m01 | ECTS 5 Duration | | | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (2) · | $(2) + \ddot{U}(2)$ | | | | | | | | |
| | Method of assessment | | | If ann of one date). Separ Langu credit | 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Separate written examination for Master's students. Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): LR. | | | | | | | | | |
| 10-l=AKT-161-m01 | | <u> </u> | cs in Theo | <u> </u> | r | | | 1 | | | | | |
| | ECTS Course | 5 S | Duration | | 1 semester Method of grading numerical grade Modul level graduate V(2) + Ü(2) | | | | | | | | |
| | Method | d of ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | Additio | nal Info | ormation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT | | | | | | | | | |

| 10-l=AK- | Selecte | ed Topic | s in Softv | vare E | ngineering | | 1 | | | | | |
|------------------|------------------------|-----------|------------|---|--|--|---------------------|----------------------|--|--|--|--|
| SE-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | 25 | | V (2) | + Ü (2) | · | | | | | | |
| | | | | If anr of on date) Langu credi | anguage of assessment: German and/or English reditable for bonus | | | | | | | |
| | | | | Focus | ses available for stu | dents of the Master's programme Informatik (Co | omputer Science, 12 | o ECTS credits): SE. | | | | |
| 10-l=Kl1-161-m01 | | | igence 1 | | | <u>, </u> | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | es . | | V (2) | (2) + Ü (2) | | | | | | | |
| | | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additional Information | | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI | | | | | | | |
| 10-l=Kl2-161-m01 | $\overline{}$ | al Intell | igence 2 | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | - | | | + Ü (2) | | | _ | | | | |
| | Metho | d of ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | onal Info | rmation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,SE,IS,HCI,GE | | | | | | | | |

| 10-l=LVS-161-m01 | Perforn | Performance Evaluation of Distributed Systems | | | | | | | | | | | |
|------------------|--|---|------------|---|---|--|-------------------|------------------|----------------------------------|--|--|--|--|
| | ECTS | 8 | Duration |) | 1 semester | Method of grading numerical g | rade | Modul level | graduate | | | | |
| | Course | S | | V (4) - | + Ü (2) | | | | | | | | |
| | Method | of ass | | | | rox. 60 to 120 minutes). | | | | | | | |
| | | | | of one date). | e candidate each (a | rer at the beginning of the course pprox. 20 minutes) or an oral exar: : German and/or English | | | | | | | |
| | | | | credit | reditable for bonus | | | | | | | | |
| | | | | Focus AT,IT, | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT,IT,GE | | | | | | | | |
| 10-l=LP-172-m01 | Logic P | rogram | ming | | | | | | | | | | |
| | ECTS 5 Duratio | | | | 1 semester | Method of grading numerical g | rade | Modul level | graduate | | | | |
| | Course | | | V (2) - | | | | | | | | | |
| | Method | or ass | essment | If ann of one date). | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | nal Info | rmation | Focus | es available for stu | dents of the Master's programme | Informatik (Compu | iter Science, 12 | o ECTS credits): AT, SE, IT, IS. | | | | |
| 10-I=NLP-182-m01 | Machine Learning for Natural Language Processing | | | | | | | | | | | | |
| | ECTS | 5 | Duration | | 1 semester | Method of grading numerical g | rade | Modul level | graduate | | | | |
| | Course | | | | (2) + Ü (2) | | | | | | | | |
| | Method | d of ass | | If ann of one date). | written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examin of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per codate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | | | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, IS, HCI. | | | | | | | | |
| 10-HCI=M- | Machin | e Learn | ing (for U | ser Int | erfaces) | | | | | | | | |
| LUI-161-m01 | ECTS | 5 | Duration | | 1 semester | Method of grading numerical g | rade | Modul level | graduate | | | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | | | |
| | Method of assessment | | | presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI,GE. | | | | | | | | | |
| | Referre | d to in l | PO I | § 22 II Nr. 3 b) | | | | | | | | | |

| 10-l=ML-161-m01 | Mather | natical | Logic | | | | | | | | | |
|-----------------|------------------------|----------|------------|--|---|------------------------|--|--------------------|---|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | | |
| | Method | d of ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). | | | | | | | | |
| | | | | | Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additio | nal Info | | Focus AT,SE | | udents of the Master's | programme Informatik (Com | nputer Science, 12 | o ECTS credits): | | | |
| 10-l=Ml-161-m01 | Medica | l Inforn | natics | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | | |
| | Method of assessment | | | If ann of one date). | ounced by the lect e candidate each (a | urer at the beginning | of the course, the written exa ran oral examination in grou | | replaced by an oral examination s (approx. 15 minutes per candi- | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE,IT,IS,HCI,GE | | | | | | | | |
| 10-HCI=M- | Multim | odal Us | er Interfa | ces | | | | | | | | |
| MUI-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (2) - | + Ü (2) | | | | | | | |
| | Method of assessment | | | presentation of project results (approx. 40 minutes) Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): HCI,GE. | | | | | | | | |
| | Referred to in LPO I | | | § 22 Nr. 3 b) | | | | | | | | |

| 10-I=PEB-161-m01 | Perform | nance E | ngineerin | g & Be | enchmarking of Com | puter Systems | | | | | | |
|------------------|---------------------------------|-----------|------------|---|---|-----------------------|------------------------------|-------------------|--------------------------------------|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | 5 | | V (2) - | + Ü (2) | | | - | | | | |
| | Method | l of asse | essment | If ann of one date). | Language of assessment: German and/or English | | | | | | | |
| | | | | credit | creditable for bonus | | | | | | | |
| | Additio | nal Info | rmation | | es available for stuc ES,HCI,GE | dents of the Master's | programme Informatik (Compu | iter Science, 120 | o ECTS credits): | | | |
| 10-I=PRAK-161- | Practica | al cours | e - Currer | ıt Topi | cs in Computer Scie | nce | | | | | | |
| mo1 | ECTS | 10 | Duration | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | |
| | Courses | 5 | | P (6) | | | | | | | | |
| | Method | l of asse | essment | | rm paper (5 to 15 pages) nguage of assessment: German and/or English | | | | | | | |
| | Additio | nal Info | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, IS, ES, LR, HCI, GE | | | | | | | |
| 10-I=PM-182-m01 | Professional Project Management | | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | V (4) | | | | | | | | |
| | Method of assessment | | | If ann of one date). | written examination (approx. 60 to 120 minutes). If announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examina of one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cardate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | other p | rerequis | sites | We re | commend completir | ng module 10-I=PRJA | K in parallel. | | | | | |
| | Additio | nal Info | | Focus HCI, G | | dents of the Master's | programme Informatik (Compu | iter Science, 120 | o ECTS credits): SE, IT, IS, ES, LR, | | | |
| 10-I=PNN-182-m01 | Program | nming v | with neur | al nets | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | 5 | | V (2) - | + Ü (2) | | | | | | | |
| | Method o | | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | |
| | Additio | nal Info | rmation | mation Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IT, IS, HCI, GE. | | | | | | | | |

| 10-I=PRJAK-162- | Project - Current Topics in Computer Science | | | | | | | | | | | | |
|------------------|--|-----------|----------|--|--|--|--------------------------|-----------------------|--|--|--|--|--|
| mo1 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | !S | | P (4) | • | | | | | | | | |
| | Method | d of ass | essment | Each Asses Langu | project is offered of sment can, theref lage of assessmer | one time only. The pro ore, only be offered fo nt: German and/or Eng | r the project offered in | | her project with the same topic. r. | | | | |
| | | | | | ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, IS, ES, R, HCI, GE. | | | | | | | | |
| 10-I=RAM-161-m01 | Compu | iter Arit | hmetic | | | | | | | | | | |
| | ECTS | 5 | Duration | ı | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | .s | | V (2) - | + Ü (2) | • | | • | | | | | |
| | | | - 55 | If ann of one date). | ritten examination (approx. 60 to 120 minutes). announced by the lecturer at the beginning of the course, the written examination may be replaced by an oral examir one candidate each (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per cate). anguage of assessment: German and/or English reditable for bonus | | | | | | | | |
| | Additional Information | | | Focus AT,ES | | udents of the Master' | s programme Informatik | (Computer Science, 12 | o ECTS credits): | | | | |
| 10-l=RO1-182-m01 | Robotics 1 | | | | | | | | | | | | |
| | ECTS | 8 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: English | | | | | | | | | |
| | Method | d of ass | essment | | | | | | | | | | |
| | Additio | nal Info | ormation | Focus GE. | es available for st | udents of the Master' | s programme Informatik | (Computer Science, 12 | o ECTS credits): IS, ES, LR, HCI, | | | | |
| 10-l=RO2-152-m01 | Roboti | CS 2 | ' | | | | | | | | | | |
| | ECTS | 8 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | !S | · | V (4) - | ⊦ Ü (2) | | | • | | | | | |
| | Method of assessment | | | writte credit | written examination (approx. 60 to 90 minutes) creditable for bonus | | | | | | | | |
| | Additio | nal Info | ormation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT, ES, LR | | | | | | | | | |
| | Referred to in LPO I | | | § 22 II Nr. 3 b) | | | | | | | | | |

| 10-I=SEM3-161- | Semina | Seminar 1 - Current Topics in Computer Science | | | | | | | | | | | |
|------------------|------------------------|--|------------|---|---|---|----------------------|------------------------|------------------------------------|--|--|--|--|
| mo1 | ECTS | 5 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) | | | | | | | | | |
| | Method of assessment | | | term paper (10 to 15 pages) and presentation (30 to 45 minutes) with subsequent discussion on a topic from the field of computer science Language of assessment: German and/or English | | | | | | | | | |
| | Additio | nal Info | rmation | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): AT, SE, IT, IS, ES, LR, HCI´, GE. | | | | | | | | |
| 10-I=SEM4-161- | Semina | ır 2 - Cu | rrent Top | ics in | Computer Science | 9 | | | | | | | |
| mo1 | ECTS | 5 | Duration | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) | | | | • | | | | | |
| | Method | of ass | essment | | | ages) and presentation (ent: German and/or Engl | | subsequent discussion | on the topic of the seminar | | | | |
| | Additio | nal Info | rmation | | ses available for s CI, GE | tudents of the Master's | programme Informatik | (Computer Science, 120 | ECTS credits): AT, SE, IT, IS, ES, | | | | |
| 10-l=SSS-172-m01 | Securit | y of So | ftware Sys | stems | | | | | | | | | |
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (2) + Ü (2) Module taught in: English | | | | | | | | | |
| | Method | d of ass | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: English creditable for bonus | | | | | | | | | |
| | Additional Information | | | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): SE, IS, LR, HCI, ES. Basic programming knowledge in C is required. | | | | | | | | | |
| 10-l=ST-161-m01 | Discret | e Fvent | Simulation | , = , | | | | | | | | | |
| 101 31 101 1101 | | 8 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | l | Baration | | + Ü (2) | metriou or grauning | namerical grade | moduliteret | Siddate | | | | |
| | Method | d of ass | | writte If anr of on date) Langi credi | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | |
| | Additio | nal Info | ormation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): IT,IS,ES,GE | | | | | | | | | |

| 10-I=SAR-161-m01 | Softwa | re Archi | tecture | | | | | | - | | | | |
|------------------|---------|-----------|----------|--|--|------------------------|---------------------------|---------------------|-------------------------------|--|--|--|--|
| | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | • | V (2) | + Ü (2) | | | | | | | | |
| | Method | l of asse | essment | If ann of one date) | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English | | | | | | | | |
| | Additio | nal Info | rmation | credit Focus | reditable for bonus ocuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): | | | | | | | | |
| | Referre | d to in L | PO I | SE,IT, | T,ES 2 II Nr. 3 b) | | | | | | | | |
| 10-l=SSD-152-m01 | | | | | .2 11 101. 3 6) | | | | | | | | |
| | ECTS | 8 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (4) | $V(4) + \ddot{U}(2)$ | | | | | | | | |
| | Method | d of asse | essment | written examination (approx. 60 to 120 minutes) creditable for bonus | | | | | | | | | |
| | Additio | nal Info | rmation | Focuses available for students of the Master's programme Informatik (Computer Science, 120 ECTS credits): ES, LR | | | | | | | | | |
| | Referre | d to in L | .PO I | § 22 Nr. 3 b) | | | | | | | | | |
| 10-I=STM-162-m01 | | d Text N | Mining | | | | | | | | | | |
| | ECTS | 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | | | + Ü (2) | | | | | | | | |
| | Method | l of asse | essment | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English | | | | | | | | | |
| | | | | | | udents of the Master's | programme Informatik (Con | nputer Science, 120 | o ECTS credits): AT, IT, HCI. | | | | |
| | Referre | d to in L | PO I | § 22 II Nr. 3 b) | | | | | | | | | |

| 10-l=VG-161-m01 | Visuali | zation o | of Graphs | | | | | | | | | | |
|-------------------|---------|------------------------------------|-----------|---|--|---|-------------------|------------------|--|--|--|--|--|
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (2) | + Ü (2) | | | | | | | | |
| | | | | written examination (approx. 60 to 120 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 (approx. 20 minutes) or an oral examination in groups of 2 candidates (approx. 15 minutes per candidate). Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| | Additio | nal Info | rmation | | ses available for s HCI,GE | tudents of the Master's programme Informatik (Com | puter Science, 12 | o ECTS credits): | | | | | |
| | Referre | d to in I | LPO I | § 22 l | l Nr. 3 b) | | | | | | | | |
| Focus Subject Con | puter M | uter Mathematics (60 ECTS credits) | | | | | | | | | | | |
| 10-M=VAT- | Algebra | aic Topo | ology | | | | | | | | | | |
| P-161-m01 | ECTS | 10 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | | + Ü (2) ıle taught in: Gern | nan and/or English | | | | | | | |
| | Method | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=AAAN-161- | Applied | d Analys | sis | | | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |

| 10-M=AAL- | Topics | Topics in Algebra | | | | | | | | | | | | |
|-------------|----------------------|-----------------------------|------------|--|---|-------------------|-----------------|-------------|----------|--|--|--|--|--|
| G-161-mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | | + Ü (2) le taught in: Germ | an and/or English | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=V- | Aspects | s of Ge | ometry | | | | | | | | | | | |
| GEO-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | | V (3) - | | an and/or English | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=VA- | Selecte | Selected Topics in Analysis | | | | | | | | | | | | |
| NA-161-m01 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | | |
| 10-M=VFN- | Selecte | d Topic | s in Finan | cial M | athematics | | | | | | | | | |
| M-161-m01 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (4) · Modu | | an and/or English | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | ritten examination (approx. 90 to 120 minutes, usually chosen) or ral examination of one candidate each (approx. 20 minutes) or ral examination in groups (groups of 2, 15 minutes per candidate) guage of assessment: German or English essment offered: In the semester in which the course is offered and in the subsequent semester litable for bonus | | | | | | | | | |

| 10-M=VOP- | Selected Topics in Optimization | | | | | | | | | | | |
|-------------|---------------------------------|------------|---|--|-------------------|-----------------|-------------|----------|--|--|--|--|
| T-161-mo1 | ECTS 10 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + Ü (2) le taught in: Germaı | n and/or English | | | _ | | | | |
| | Method of | assessment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=ADG- | Differentia | l Geometry | | | | | | | | | | |
| M-161-m01 | ECTS 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | - Ü (2) le taught in: Germaı | n and/or English | | | | | | | |
| | Method of | assessment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=V- | Discrete Mathematics | | | | | | | | | | | |
| DIM-161-m01 | ECTS 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) + Ü (1) Module taught in: German and/or English | | | | | | | | | |
| | Method of | assessment | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=VD- | Dynamical | Systems | | | | | | | | | | |
| SY-161-m01 | ECTS 5 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) + Ü (1) Module taught in: German and/or English | | | | | | | | | |
| | Method of | assessment | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |

| 10-M=AFT- | Comple | ex Anal | ysis | | | , | | 1 | | | | |
|-----------------|----------------------|----------|------------------|--|--|------------------------|---------------------------|--------------------|---------------|--|--|--|
| H-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | • | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| 10-M=V- | Geome | trical N | lechanics | | | | | | | | | |
| GEM-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | | + Ü (2) Ile taught in: Germ | an and/or English | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=AGMS-161- | Geometric Structures | | | | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | , | | + Ü (2) Ile taught in: Germ | an and/or English | | · | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M-HAG-Ü-162- | Overvi | ew Alge | bra and G | eomet | ry (Differential Ge | ometry or Projective G | Geometry) for Teaching De | gree (German Gymna | asium) | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Course | !S | | V (4) + Ü (2) | | | | | | | | |
| | Method of assessment | | | oral examination of one candidate each (20 to 40 minutes) Language of assessment: German and/or English | | | | | | | | |

| 10-M-HHA-Ü-162- mo1 | | ew High nalysis) | | is for | Teaching Degree (| German Gymnasium) (Differential Equations and C | Complex Analysis, | or Advanced Analysis and Com- | | | | |
|------------------------|---|---------------------|--------------|--|---|--|-------------------|-------------------------------|--|--|--|--|
| | ECTS 10 Duration | | n 1 semester | | Method of grading numerical grade | Modul level | undergraduate | | | | | |
| | Courses | | | V (4) | (4) + Ü (2) | | | | | | | |
| | Metho | d of ass | essment | | oral examination of one candidate each (20 to 40 minutes) Language of assessment: German and/or English | | | | | | | |
| 10-M-HSA-Ü-162- | Overview Stochastics and Applied Mathematics (Numerical Mathematics 1 or Discrete Mathematics) for Teaching Degree (German Gymnasium) | | | | | | | | | | | |
| mo1 | ECTS | 8 | Duratio | า | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | es | | V (4) | + Ü (2) | · | | | | | | |
| | Method of assessment | | | | | e candidate each (20 to 40 minutes) nt: German and/or English | | | | | | |
| 10-M=AGP- | Giovar | ni Prodi | Lecture (| Maste | | | | | | | | |
| C-161-mo1 | ECTS | 5 | Duratio | n 1 semester | | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | Courses | | | + Ü (1) ıle taught in: Germ | nan and/or English | | | | | | |
| | Method of assessment | | | b) ora c) ora Lange Asses | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| 10-M=AOP- | Basics | in Opti | mization | | | | | | | | | |
| T-161-m01 | ECTS | 10 | Duratio | า | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Metho | d of ass | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |

| 10-M=VGDS-161- | Groups and their Representations | | | | | | | | | | | |
|----------------|----------------------------------|-----------|----------|--|--|-------------------|-----------------|-------------|----------|--|--|--|
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | S | | V (4) + Modu | - Ü (2) le taught in: Germaı | n and/or English | | | | | | |
| | Method | l of asse | | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| 10-M=AIST-161- | Industr | ial Stat | istics 1 | | | | | ' | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | S | | V (4) + Modu | - Ü (2) le taught in: Germaı | n and/or English | | | | | | |
| | Method | l of asse | | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| 10-M=VIST-161- | Industrial Statistics 2 | | | | | | | | | | | |
| mo1 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | s | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=V- | Field Ar | rithmeti | cs | | | | | | | | | |
| KAR-161-mo1 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method | l of asse | | b) ora c) ora Langu Asses | written examination (approx. 90 to 120 minutes, usually chosen) or oral examination of one candidate each (approx. 20 minutes) or oral examination in groups (groups of 2, 15 minutes per candidate) anguage of assessment: German or English assessment offered: In the semester in which the course is offered and in the subsequent semester editable for bonus | | | | | | | |

| 10-M=ALTH-161- | Lie Theory | | | | | | | | | | | |
|----------------|---|--------------|---|---|-------------------------------------|-------------|----------|--|--|--|--|--|
| mo1 | ECTS 1 | o Durat | on | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | | √ (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method o | f assessmer | b) ora c) ora Lang Asse | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=ANG- | Numeric (| of Large Sys | ems of | Equations | | | | | | | | |
| G-161-m01 | ECTS 1 | o Durat | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | | + Ü (2) ıle taught in: Germ | nan and/or English | | | | | | | |
| | | | b) ora c) ora Lang Asse credi | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=VN- | Numeric of Partial Differential Equations | | | | | | | | | | | |
| PE-161-m01 | ECTS 1 | o Durat | on | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method o | f assessmer | b) ora c) ora Lang Asse | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=ARTH-161- | Control T | heory | ' | | | | | | | | | |
| mo1 | ECTS 1 | o Durat | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method o | f assessmer | b) ora c) ora Lang Asse | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |

| 10-M=V- | Statistical Analysis | | | | | | | | | | | | |
|--------------------------|----------------------|-----------|------------|---|--|-------------------|-----------------------------|--------------------|----------|--|--|--|--|
| STA-161-m01 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | 5 | • | V (4) + | | ., | | | | | | | |
| | | | | | le taught in: Germai | | | | _ | | | | |
| | Method | l of asse | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| | | | | | | | | | | | | | |
| 10-M=ASM- | Stocha | stic Mod | dels of Ri | sk Mar | agement | | | ' | | | | | |
| R-161-mo1 | ECTS | 10 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | 5 | | V (4) + Modu | - Ü (2) le taught in: Germaı | n and/or English | | | | | | | |
| | Method | l of asse | essment | | | | utes, usually chosen) or | | | | | | |
| | | | | | | | prox. 20 minutes) or | | | | | | |
| | | | | c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English | | | | | | | | | |
| | | | | Asses | sment offered: In th | | the course is offered and i | n the subsequent s | emester | | | | |
| 10-M=AST- | Stocho | etical De | ocesses | credit | able for bonus | | | | | | | | |
| 10-M=AST- P-161-mo1 | | | 1 | 2 | 1 semester | Method of grading | numorical grado | Modul level | graduate | | | | |
| | Courses | <u> </u> | | | | Modul level | graduate | | | | | | |
| | | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | l of asse | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or | | | | | | | | | |
| | | | | c) oral examination of one candidate each (approx. 20 minutes) of c) oral examination in groups (groups of 2, 15 minutes per candidate) | | | | | | | | | |
| | | | | | age of assessment: | | | | | | | | |
| | | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=A- | Topolog | gv | | | | | | | - | | | | |
| TOP-161-m01 | | 10 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | S | | V (4) + Ü (2) | | | | | | | | | |
| | 8.6 (1) | | | Module taught in: German and/or English | | | | | | | | | |
| | Method | l of asse | essment | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or | | | | | | | | |
| | | | | | c) oral examination in groups (groups of 2, 15 minutes per candidate) | | | | | | | | |
| | | | | Language of assessment: German or English | | | | | | | | | |
| | | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| | | | | creditable for bonus | | | | | | | | | |

| 10-M=AVS- | Insurance Mathematics 1 | | | | | | | | | | | | |
|----------------|-------------------------|---------------|-----------|--|--|-------------------|-----------------|-------------|----------|--|--|--|--|
| M-161-m01 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | es | | | / (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Metho | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=VVS- | | nce Mat | hematics | 2 | | | | | | | | | |
| M-161-m01 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | | + Ü (2) Ile taught in: Germa | an and/or English | | | | | | | |
| | Metho | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=AZTH-161- | Numbe | Number Theory | | | | | | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=AZ- | Time S | eries A | nalysis 1 | | | | | | | | | | |
| RA-161-m01 | ECTS | 10 | Duration | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | | $V(4) + \ddot{U}(2)$ Module taught in: German and/or English | | | | | | | | | |
| | Metho | d of ass | essment | b) ora c) ora Langu Asses | ritten examination (approx. 90 to 120 minutes, usually chosen) or ral examination of one candidate each (approx. 20 minutes) or al examination in groups (groups of 2, 15 minutes per candidate) guage of assessment: German or English essment offered: In the semester in which the course is offered and in the subsequent semester itable for bonus | | | | | | | | |

| 10-M=VZ- | Time S | Time Series Analysis 2 | | | | | | | | | | | |
|---------------|--|------------------------|-----------|--|--|-------------------|-----------------|-------------|----------|--|--|--|--|
| RA-161-mo1 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | !S | | | ⊦ Ü (2) le taught in: Germaı | n and/or English | | , | | | | | |
| | Method | d of asse | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=MP2-161- | Algebr | a and Dy | /namics o | of Quar | ntum Systems | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) - Modu | + Ü (2) le taught in: Germaı | n and/or English | | | | | | | |
| | Method | d of asse | essment | b) ora c) ora Langu | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) c.anguage of assessment: German or English creditable for bonus | | | | | | | | |
| 10-M=MP1-161- | Analysis and Geometry of Classical Systems | | | | | | | | | | | | |
| mo1 | ECTS 10 Duratio | | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English creditable for bonus | | | | | | | | | |
| 10-M=VAD- | Applie | d Differe | ntial Geo | metry | | | | , | | | | | |
| G-161-mo1 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |

| 10-M=GAL- | Resear | ch in G | roups - Al | gebra | 1 | | | | | | | | |
|-------------|----------------------|--|------------|--|---|-------------------|-------------------------|--------------------------|----------|--|--|--|--|
| G-161-mo1 | ECTS | 10 | Duratio | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | · | | / (2) + S (2) Module taught in: German and/or English | | | | | | | | |
| | Method | of ass | essment | | alk (60 to 120 minutes) | | | | | | | | |
| | | | | | anguage of assessment: German or English | | | | | | | | |
| 10-M=GDF- | Dagaar | ah in C | rouna Da | Assessment offered: In the semester in which the course is offered and in the subsequent semester Deformation Quantization | | | | | | | | | |
| Q-161-mo1 | | | Duratio | | 1 semester | Method of grading | numorical grado | Modul level | graduate | | | | |
| 2 20202 | Course | 10 | Duratio | | + S (2) | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | 3 | | | r 3 (2) ile taught in: Germar | n and/or English | | | | | | | |
| | Method | d of ass | essment | Langi | anguage of assessment: German or English ssessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=GD- | Resear | ch in G | roups - Di | ferent | ial Geometry | | | | | | | | |
| GE-161-m01 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | , | | + S (2) lle taught in: Germar | n and/or English | | , | | | | | |
| | Method | d of ass | essment | Langi | 60 to 120 minutes) uage of assessment: ssment offered: In th | | the course is offered a | and in the subsequent se | emester | | | | |
| 10-M=G- | Resear | ch in G | roups - Di | screte | Mathematics | | | | | | | | |
| DIM-161-m01 | ECTS | 10 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | emester | | | | |
| 10-M=GD- | Resear | ch in G | roups - Dy | namic | al Systems and Con | trol Theory | | ' | | | | | |
| SC-161-m01 | ECTS | 10 | Duratio | | | | | | | | | | |
| | Course | S | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=G- | Resear | ch in G | roups - Co | mplex | Analysis | , | | | | | | | |
|-------------|----------------------|----------|------------|--|---|--------------------|-----------------|-------------|----------|--|--|--|--|
| COA-161-mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | | / (2) + S (2) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | sessment | Lang | alk (60 to 120 minutes) .anguage of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=GGM- | Resear | ch in G | roups - Ge | eometi | ometry and Topology | | | | | | | | |
| T-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | | + S (2) Ile taught in: Germ | an and/or English | | | | | | | |
| | Method | d of ass | sessment | Lang | alk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=GC- | Resear | ch in G | roups - Co | ntrol | heory of Quantum | Mechanical Systems | | ' | | | | | |
| QS-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | | + S (2) Ile taught in: Germ | an and/or English | | | | | | | |
| | Method | d of ass | sessment | Lang | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=G- | Resear | ch in G | roups - M | easure | and Integral | | | | | | | | |
| MAI-161-mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | Courses | | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | sessment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=GM- | Resear | ch in G | roups - M | athem | atics in Context | , | | ' | | | | | |
| CX-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=GM- | Rese | earch in Gr | oups - Ma | athema | atics in the Sciences | . | | | | | | | |
|----------------|---|-------------|-----------|--|--|-------------------|--------------------------|-------------------------|----------|--|--|--|--|
| SC-161-mo1 | ECTS | 5 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cour | ses | | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | |
| | Meth | nod of ass | essment | Langi | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=GN- | Research in Groups - Numerical Mathematics and Applied Analysis | | | | | | | | | | | | |
| MA-161-m01 | ECTS | 10 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cour | ses | | | + S (2) lle taught in: Germar | n and/or English | | | | | | | |
| | Meth | nod of ass | essment | Langi | alk (60 to 120 minutes) anguage of assessment: German or English assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=GROC-161- | Rese | arch in Gr | oups - Ro | botics | potics, Optimization and Control Theory | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cour | ses | | | + S (2) Ile taught in: Germar | n and/or English | | | | | | | |
| | Meth | nod of ass | essment | Langi | 60 to 120 minutes) uage of assessment: ssment offered: In th | | the course is offered ar | nd in the subsequent se | emester | | | | |
| 10-M=G- | Research in Groups - Statistics | | | | | | | | | | | | |
| STA-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cour | ses | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Meth | nod of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=GNTH-161- | Rese | earch in Gr | oups - Nu | ımber | Theory | | | | | | | | |
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cour | ses | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=GT- | Research | in Groups - 1 | ime Se | ries Analysis | | | - | | | | | |
|----------------|-----------------------------------|---------------|--------|---|---------------------|--------------------------|-------------|----------|--|--|--|--|
| SA-161-m01 | ECTS 1 | o Durati | on | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + S (2) | | | | | | | | |
| | | | | ıle taught in: Germar | n and/or English | | | | | | | |
| | Method o | f assessmen | | talk (60 to 120 minutes) | | | | | | | | |
| | | | | Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=VMPH-161- | Selected | Topics in Ma | | ematical Physics | | | | | | | | |
| mo1 | ECTS 1 | | _ | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + Ü (2) | | | | 0 | | | | |
| | | | | ıle taught in: Germar | n and/or English | | | | | | | |
| | Method o | f assessmen | | | | utes, usually chosen) or | r | | | | | |
| | | | | | | prox. 20 minutes) or | | | | | | |
| | | | | c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English | | | | | | | | |
| | | | Asse | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| | | 1 | | creditable for bonus | | | | | | | | |
| 10-M=V- | Selected Topics in Control Theory | | | | | | | | | | | |
| TRT-161-m01 | ECTS 10 Duration | | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + Ü (2) | and / an Fracticle | | | | | | | |
| | Mathada | £ | _ | Module taught in: German and/or English a) written examination (approx. 90 to 120 minutes, usually chosen) or | | | | | | | | |
| | Method | f assessmen | | b) oral examination (approx. 90 to 120 minutes, usually chosen) or | | | | | | | | |
| | | | | c) oral examination in groups (groups of 2, 15 minutes per candidate) | | | | | | | | |
| | | | | Language of assessment: German or English | | | | | | | | |
| | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=AF- | Functiona | al Analysis | crear | Table for bonds | | | | | | | | |
| AN-161-mo1 | ECTS 1 | | on | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | + Ü (2) | 0 0 | <u> </u> | | | | | | |
| | | | | Module taught in: German and/or English | | | | | | | | |
| | Method o | f assessmen | | itten examination (ap | prox. 90 to 120 min | utes, usually chosen) or | r | | | | | |
| | | | | b) oral examination of one candidate each (approx. 20 minutes) or | | | | | | | | |
| | | | | c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English | | | | | | | | |
| | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| | | | credi | creditable for bonus | | | | | | | | |

| 10-M=VG- | Giovanni Prodi Lecture Advanced Topics (Master) | | | | | | | | | | | | |
|----------------|---|---------|-----------|---|--|-------------------|-----------------|-------------|----------|--|--|--|--|
| PA-161-mo1 | ECTS | 10 | Duration | 1 50 | emester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (Module ta | | n and/or English | | | | | | | |
| | Method | of asse | | b) oral exa c) oral exa Language Assessme | written examination (approx. 90 to 120 minutes, usually chosen) or oral examination of one candidate each (approx. 20 minutes) or oral examination in groups (groups of 2, 15 minutes per candidate) anguage of assessment: German or English assessment offered: In the semester in which the course is offered and in the subsequent semester editable for bonus | | | | | | | | |
| 10-M=VGPM-161- | Giovann | i Prodi | Lecture N | odern Toرا | pics (Master) | | | | | | | | |
| mo1 | ECTS | 10 | Duration | 1 56 | emester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (Module ta | | n and/or English | | | | | | | |
| | Method | of asse | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=VG- | Giovanni Prodi Lecture Selected Topics (Master) | | | | | | | | | | | | |
| PS-161-m01 | ECTS | 10 | Duration | | emester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | a) written b) oral exa c) oral exa Language Assessme creditable | emester | | | | | | | | |
| 10-M=VI- | Inverse | Proble | ms | | | | | | | | | | |
| PR-161-mo1 | ECTS | 5 | Duration | | emester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (3) + Ü (1) Module taught in: German and/or English | | | | | | | | | |
| | Method | of asse | | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |

| 10-M=VK- | Comple | Complex Geometry | | | | | | | | | | | |
|-------------|----------------------|----------------------------------|----------|---|---|-------------------------------------|-------------|----------|--|--|--|--|--|
| GE-161-m01 | ECTS | 10 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | | + Ü (2) le taught in: Germ | an and/or English | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=VMB- | Mather | matical | Imaging | | | | | | | | | | |
| V-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (3) - | + Ü (1) lle taught in: Germ | an and/or English | | | | | | | |
| | | | | b) ora c) ora Langu Asses credit | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=V- | Mather | Mathematical Continuum Mechanics | | | | | | | | | | | |
| KOM-161-m01 | ECTS | 5 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | V (3) + Ü (1) Module taught in: German and/or English | | | | | | | | | |
| | Method of assessment | | | b) ora c) ora Langu | emester | | | | | | | | |
| 10-M=VMT- | Module | e Theor | у | | | | | | | | | | |
| H-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Course | S | | | V (3) + Ü (1) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | itten examination (approx. 60 to 90 minutes, usually chosen) or al examination of one candidate each (approx. 15 minutes) or al examination in groups (groups of 2, approx. 10 minutes per candidate) uage of assessment: German or English ssment offered: In the semester in which the course is offered and in the subsequent semester table for bonus | | | | | | | | |

| 10-M=V- | Non-linea | Non-linear Analysis | | | | | | | | | | | | |
|----------------|--|---------------------|---|---|--|------------------------|----------|--|--|--|--|--|--|--|
| NAN-161-mo1 | ECTS 5 | Duratio | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | | | |
| | Courses | | V (3) + Ü (1) Module taught in: Gern | nan and/or English | | | | | | | | | | |
| | Method of | fassessment | b) oral examination of c) oral examination in g Language of assessme | written examination (approx. 60 to 90 minutes, usually chosen) or oral examination of one candidate each (approx. 15 minutes) or oral examination in groups (groups of 2, approx. 10 minutes per candidate) anguage of assessment: German or English ssessment offered: In the semester in which the course is offered and in the subsequent semester reditable for bonus | | | | | | | | | | |
| 10-M=VOST-161- | Optimal C | ontrol | | | | , | | | | | | | | |
| mo1 | ECTS 5 | Duratio | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | | | |
| | Courses | | V (3) + Ü (1) Module taught in: Gern | $V(3) + \ddot{U}(1)$ Nodule taught in: German and/or English | | | | | | | | | | |
| | | | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | | | |
| 10-M=VPD- | Partial Differential Equations of Mathematical Physics | | | | | | | | | | | | | |
| P-161-m01 | ECTS 10 | Duration | | Method of grading | numerical grade | Modul level | graduate | | | | | | | |
| | Courses | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | | | | |
| | Method of | fassessment | b) oral examination of c) oral examination in § Language of assessme | (approx. 90 to 120 minu one candidate each (app groups (groups of 2, 15 m nt: German or English the semester in which t | rox. 20 minutes) or inutes per candidate) | d in the subsequent se | emester | | | | | | | |
| 10-M=V- | Pseudo Ri | iemannian and | l Riemannian Geometry | | | , | | | | | | | | |
| PRG-161-m01 | ECTS 10 | Duration | | Method of grading | numerical grade | Modul level | graduate | | | | | | | |
| | Courses | | V (4) + Ü (2) Module taught in: Gern | nan and/or English | | | | | | | | | | |
| | Method of | f assessment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | | | |

| 10-M=VV- | Networ | rked Sy | stems | | | ' | | , | | | | | | |
|------------|-----------------|--|------------|---|---|-------------------|-----------------|-------------|----------|--|--|--|--|--|
| SY-161-mo1 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | · | | / (3) + Ü (1) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 60 to 90 minutes, usually chosen) or b) oral examination of one candidate each (approx. 15 minutes) or c) oral examination in groups (groups of 2, approx. 10 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | | |
| 10-M=GN- | Resear | Research in Groups - Non-linear Analysis | | | | | | | | | | | | |
| LA-161-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | ·S | <u>'</u> | | + S (2) lle taught in: Germa | n and/or English | | | | | | | | |
| | Method | d of ass | essment | Langi | alk (60 to 120 minutes) anguage of assessment: German or English .ssessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=GO- | Resear | ch in G | roups - Op | perato | Algebras | | | ' | | | | | | |
| PA-161-mo1 | ECTS 10 Duratio | | | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | Courses | | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | Langi | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=SGP- | Giovan | ni Prod | i Seminar | | | | | | | | | | | |
| C-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Course | S | • | S (2) Modu | le taught in: Germa | n and/or English | | | | | | | | |
| | Method | d of ass | essment | Langi | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=SID- | Interdi | sciplina | ary Semin | ar | - | | | ' | | | | | | |
| C-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | | |
| | Courses | | | S (2) Module taught in: German and/or English | | | | | | | | | | |
| | Method | d of ass | essment | | | | | | | | | | | |

| 10-M=SAL- | Semina | r in Alg | gebra | | | | | , | | | | | |
|-------------|--|----------|-----------|--|---|-----------------------|-------------------------|-------------------------|----------|--|--|--|--|
| G-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) Modu | (2) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | essment | Langi | alk (60 to 120 minutes) .anguage of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=SAD- | Seminar in Applied Differential Geometry | | | | | | | | | | | | |
| G-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) Modu | ıle taught in: Germ | nan and/or English | | | | | | | |
| | Method | d of ass | essment | Langi | lk (60 to 120 minutes) Inguage of assessment: German or English Inguage of the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=SD- | Semina | r in Dy | namical S | ystem | s and Control | | | · | | | | | |
| SC-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) Modu | ıle taught in: Germ | nan and/or English | | | | | | | |
| | Method | d of ass | essment | Langi | | nt: German or English | the course is offered a | nd in the subsequent se | emester | | | | |
| 10-M=S- | Seminar in Financial and Insurance Mathematics | | | | | | | | | | | | |
| FIM-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | | S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=S- | Semina | r in Co | mplex An | alysis | | | | | | | | | |
| COA-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) Module taught in: German and/or English | | | | | | | | | |
| | Method | d of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=S- | Semi | nar in Ge | ometry an | d Top | ology | | | ' | - | | | | |
|-------------|---|-----------|------------|--|---|-------------------------------------|-------------------------|--------------------------|----------|--|--|--|--|
| GTO-161-m01 | ECTS | 5 | Duratio | า | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cours | ses | | S (2) Modu | G (2) Module taught in: German and/or English | | | | | | | | |
| | Meth | od of ass | essment | Langi | alk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=SM- | Seminar Mathematics in the Sciences | | | | | | | | | | | | |
| SC-161-m01 | ECTS | 5 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cours | ses | | S (2) Modu | le taught in: Germai | n and/or English | | <u>^</u> | | | | | |
| | Meth | od of ass | essment | Langi | alk (60 to 120 minutes) anguage of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 10-M=SN- | Semi | nar in No | n-linear A | nalysi | ılysis | | | | | | | | |
| LA-161-m01 | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | S (2) Modu | le taught in: Germar | n and/or English | | | | | | | |
| | Meth | od of ass | essment | Langi | 50 to 120 minutes) lage of assessment: ssment offered: In th | | the course is offered a | and in the subsequent se | emester | | | | |
| 10-M=SN- | Seminar in Numerical Mathematics and Applied Analysis | | | | | | | | | | | | |
| MA-161-mo1 | ECTS | 5 | Duratio | | | Method of grading numerical grade | | Modul level | graduate | | | | |
| | Cours | ses | | S (2) Module taught in: German and/or English | | | | | | | | | |
| | Meth | od of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=SOP- | Semi | nar in Op | timizatio | 1 | | | | , | | | | | |
| T-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Cours | ses | | S (2) Module taught in: German and/or English | | | | | | | | | |
| | Meth | od of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=S- | Semina | ar in Sta | atistics | | | ' | | , | | | | | |
|-------------|----------------------|---------------------------|------------|--|---|-------------------------------------|-----------------|-------------|----------|--|--|--|--|
| STA-161-m01 | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | S (2) Modu | S (2) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | essment | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| 10-M=VA- | Algebra | Algebraic Geometry | | | | | | | | | | | |
| GE-192-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | , | V (4) - Modu | + Ü (2) le taught in: Germa | n and/or English | | · | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=VAZ- | Algorit | Algorithmic Number Theory | | | | | | | | | | | |
| T-192-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | Courses | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=GAD- | Resear | ch in G | roups - Ap | plied I | Differential Geomet | ry | | | | | | | |
| G-192-m01 | ECTS | | | `` | | Method of grading numerical grade | | Modul level | graduate | | | | |
| | Course | S | | | V (2) + S (2) Module taught in: German and/or English | | | | | | | | |
| | Method of assessment | | | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: in the semester in which the course is offered and in the subsequent semester | | | | | | | | | |

| 10-M=GLIE-192- | Resear | ch in G | roups - Lie | Theor | y | | | | | | | |
|----------------|---|--|-------------|--|--|-------------------|-----------------|-------------|----------|--|--|--|
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | | V (2) + S (2) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | Langu | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: in the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 10-M=G- | Research in Groups - Mathematical Physics | | | | | | | | | | | |
| MAP-192-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | , | V (2) - Modu | S (2) le taught in: Germar | n and/or English | | | | | | |
| | Method | d of assessment talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: in the semester in which the course is offered and in the subsequent semester | | | | | | emester | | | | |
| 10-M=V- | Selecte | ed Topio | cs in Num | erical a | nd Applied Mathem | natics | | , | | | | |
| NAM-192-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora Langu Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | |
| 10-M=V- | Compu | ter Algo | ebra | | | | | , | | | | |
| CAL-192-m01 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | S | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |

| 10-M=VGFT-192- | Geome | etric Cor | tric Complex Analysis | | | | | | | | | | |
|------------------------|-----------------------------|----------------------|-----------------------|---|---|-------------------|--------------------------|-------------------------------|--------------------------|---------------|--|--|--|
| mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | es | | | V (4) + Ü (2) Module taught in: German and/or English | | | | | | | | |
| | Metho | Method of assessment | | | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) c.anguage of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=V- | Crypto | graphy | Coding T | heory | | | | | | | | | |
| KRY-192-mo1 | ECTS | 10 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | es | | | + Ü (2) ıle taught in: Germa | an and/or English | | | | | | | |
| | Method of assessment | | | b) ora c) ora Lange Asses | a) written examination (approx. 90 to 120 minutes, usually chosen) or b) oral examination of one candidate each (approx. 20 minutes) or c) oral examination in groups (groups of 2, 15 minutes per candidate) Language of assessment: German or English Assessment offered: In the semester in which the course is offered and in the subsequent semester creditable for bonus | | | | | | | | |
| 10-M=SA- | Seminar Applied Mathematics | | | | | | | | | | | | |
| MA-192-m01 | ECTS 5 Duration | | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | S (2) Modu | ule taught in: Germa | an and/or English | | | | | | | |
| | Method of assessment | | | talk (60 to 120 minutes) Language of assessment: German or English Assessment offered: in the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| Focus Subject Com | puter P | hysics (| 60 ECTS c | redits) |) | | | | | | | | |
| 11-EXE5-161-m01 | Curren | t Topics | in Experi | menta | ıl Physics | | | | | | | | |
| | ECTS | 5 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | es | | V (2) | + R (2) | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | | |
| | other | rerequi | sites | Approval from examination committee required. | | | | | | | | | |
| MINT Teacher Education | PLUS, Elite | Network Ba | avaria (ENB) (2 | 2020) | | | JMU Würzburg • generated | 19-Apr-2025 • exam. reg. data | record 64 i22 - - H 2020 | page 85 / 112 | | | |

| 11-EXE6-161-mo1 | Current Top | ics in Experi | menta | l Physics | | , | | | | | |
|-------------------|---|--|--|---|--|-------------|----------|--|--|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | • | V (3) | + R (1) | • | • | | | | | |
| | Method of a | ssessment | a) wr | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | b) ora | al examination of or | ne candidate each (approx. 30 minutes) or | | | | | | |
| | | | c) ora | al examination in gro | oups (groups of 2, approx. 30 minutes per candidat | e) or | | | | | |
| | | | a) pro | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | form | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | |
| | | | the le | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | | | : German and/or English | | | | | | |
| | other prerec | <u> </u> | | | on committee required. | | | | | | |
| 11-EXE7-161-mo1 | Current Top | | | ıl Physics | | | | | | | |
| | ECTS 7 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | + R (1) | | | | | | | |
| | Method of a | ssessment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | |
| | other prerec | nnicitos | Approval from examination committee required. | | | | | | | | |
| 11-EXE8-161-mo1 | Current Top | <u> </u> | | | on committee required. | | | | | | |
| 11-LXLO-101-IIIO1 | ECTS 8 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | Duration | | + R (2) | Method of grading numerical grade | Modul level | graduate | | | | |
| | | ccoccmont | | | approx. 90 to 120 minutes) or | | | | | | |
| | Method of a | 356551116111 | | | ne candidate each (approx. 30 minutes) or | | | | | | |
| | | | | | oups (groups of 2, approx. 30 minutes per candidat | e) or | | | | | |
| | | | d) pro | oject report (approx | . 8 to 10 pages) or | | | | | | |
| | | | | esentation/talk (app | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change | | | | | | | | |
| | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | | |
| | | | Language of assessment: German and/or English | | | | | | | | |
| | other prerec | quisites | Approval from examination committee required. | | | | | | | | |
| | , | | <u> </u> | - | · | | | | | | |

| 11-EXE6A-161-m01 | Current | Topics | in Experi | menta | l Physics | | | | | | | |
|------------------|--------------------------|---------------------------------------|-----------|--|---|--|-----------------|-------------------------------|--|--|--|--|
| | ECTS | 6 | Duration |) | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | ; | | V (3) | + R (1) | · | | | | | | |
| | Method | of asse | essment | a) wri | tten examination (a | pprox. 90 to 120 minutes) or | | | | | | |
| | | | | | | e candidate each (approx. 30 minutes) or | | | | | | |
| | | | | c) ora | il examination in gro | oups (groups of 2, approx. 30 minutes per candidat | e) or | | | | | |
| | | | | e) pro | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | |
| | | | | the le | cturer must inform s | students about this by four weeks prior to the origin | nal examination | date at the latest. | | | | |
| | | | | | | German and/or English | | | | | | |
| EVD () | other pr | | | | oval from examination | on committee required. | , | | | | | |
| 11-EXP6-161-m01 | | | in Physik | | | | 1 | | | | | |
| | | 6 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | | V (3) + R (1) | | | | | | | |
| | Method | of asse | essment | a) wri | tten examination (a | pprox. 90 to 120 minutes) or | | | | | | |
| | | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | If a written examination was chosen a | | | | vas chosen as method of assessment, this may be | changed and as | sessment may instead take the | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is chang the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | |
| | other pr | erequis | sites | Approval from examination committee required. | | | | | | | | |
| 11-EXP6A-161-m01 | Current Topics in Physik | | | | | | | | | | | |
| | | 6 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | | + R (1) | | | | | | | |
| | Method | of asse | | | | pprox. 90 to 120 minutes) or | | | | | | |
| | | | | | | e candidate each (approx. 30 minutes) or oups (groups of 2, approx. 30 minutes per candidat | o) or | | | | | |
| | | | | | oject report (approx. | | .e) 01 | | | | | |
| | | | | e) pre | esentation/talk (app | rox. 30 minutes) | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the control of the | | | | | | | | |
| | | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | |
| | other pr | ereguio | | Approval from examination committee required. | | | | | | | | |
| | other pr | crequis | 5,105 | Approval from examination committee required. | | | | | | | | |

| 11-EXT5-161-m01 | Current Topi | cs of Theor | etical | Physics | | | | | | | |
|-----------------|----------------|-------------|---|--|---|------------------|---------------------------------|--|--|--|--|
| | ECTS 5 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | , | V (2) | + R (2) | · | • | | | | | |
| | Method of as | ssessment | a) wr | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | | | e candidate each (approx. 30 minutes) or | | | | | | |
| | | | | | oups (groups of 2, approx. 30 minutes per candidat | e) or | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | form | of an oral examinati | on of one candidate each or an oral examination in | groups. If the m | ethod of assessment is changed, | | | | |
| | | | | | students about this by four weeks prior to the origin | nal examination | date at the latest. | | | | |
| | | | | | : German and/or English | | | | | | |
| | other prereq | | | | on committee required. | | | | | | |
| 11-EXT6-161-mo1 | Current Topi | | | | | | | | | | |
| | ECTS 6 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | / (3) + R (1) | | | | | | | |
| | Method of as | ssessment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | |
| | | | d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | Language of assessment: German and/or English | | | | | | | | |
| | other prereq | uisites | Approval from examination committee required. | | | | | | | | |
| 11-EXT7-161-m01 | Current Topi | | | | • | , | | | | | |
| | ECTS 7 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | + R (1) | | | | | | | |
| | Method of as | ssessment | | | pprox. 90 to 120 minutes) or | | | | | | |
| | | | | | e candidate each (approx. 30 minutes) or oups (groups of 2, approx. 30 minutes per candidat | a) ar | | | | | |
| | | | | | | e) 01 | | | | | |
| | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is | | | | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | |
| | other prereq | uicites | Approval from examination committee required. | | | | | | | | |
| | Tottlet bieled | 4131103 | Approval from examination committee required. | | | | | | | | |

| 11-EXT8-161-mo1 | Current Topics of Theoretical Physics | | | | | | | | | | | | |
|------------------|---------------------------------------|----------|-----------|--|---|------------------------|--------------------------|----------------|---------------|---------------------------------|--|--|--|
| | ECTS | 8 | Duration |) | 1 semester | Method of grading | numerical grade | Me | odul level | graduate | | | |
| | Course | :S | | V (4) + | · R (2) | | | | | | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | | |
| | | | | b) oral | o) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | | |
| | | | | |) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | |
| | | | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | | If a wr | itten examination | was chosen as metho | od of assessment, this r | may be chan | ged and ass | sessment may instead take the | | | |
| | | | | form o | f an oral examina | tion of one candidate | each or an oral examin | nation in grou | ıps. If the m | ethod of assessment is changed, | | | |
| | | | | | | | y four weeks prior to th | he original ex | camination | date at the latest. | | | |
| | - 4l 11 11 | | | | | nt: German and/or Eng | | | | | | | |
| FVT (A (| | rerequi | | <u> </u> | | tion committee require | ea. | , | | | | | |
| 11-EXT6A-161-m01 | | | of Theore | | | AA () C !' | | 1 | 1 11 1 | 1 | | | |
| | | 6 | Duration | | 1 semester | Method of grading | numerical grade | M | odul level | graduate | | | |
| | Course | | | V (3) + | | , | | | | _ | | | |
| | Method | d of ass | essment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | | |
| | | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | | |
| | | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes) | | | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | | |
| | | | | | anguage of assessment: German and/or English | | | | | | | | |
| | other prerequisites | | | Approval from examination committee required. | | | | | | | | | |
| 11-ASM-161-mo1 | | | servation | <u> </u> | | 1 | | | | | | | |
| | ECTS | 6 | Duration | | 1 semester | Method of grading | numerical grade | Me | odul level | graduate | | | |
| | Course | | | V (3) + | | 1 0 | | | | 10 | | | |
| | | | | Module taught in: German or English | | | | | | | | | |
| | Method | d of ass | | | | approx. 90 to 120 mir | | | | | | | |
| | | | | | | ne candidate each (a | | | | | | | |
| | | | | | | | prox. 30 minutes per ca | andidate) or | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). | | | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is | | | | | | | | | |
| | | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | | |
| | | | | 75562 | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |

| 11-ATTP-161-m01 | Selected Top | oics of Theo | retica | l Elementary Partic | le Physics | , | | | | | |
|-----------------|--------------|--------------|--|--|---|----------------------|------------|--|--|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | + R (1) | | ` | | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method of as | ssessment | a) wr | n) written examination (approx. 90 to 120 minutes) or or or one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | | c) oral examination in groups (groups of 2, approx. 30 minutes) or | | | | | | | |
| | | | d) pro | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) pre | e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | |
| | | | the le | ecturer must inform | students about this by four weeks prior to the o | | | | | | |
| | | | | | nt: German and/or English | | | | | | |
| DCV . (| Image and C | : Durana | | | the semester in which the course is offered and i | in the subsequent se | emester | | | | |
| 11-BSV-161-m01 | ECTS 6 | | | | Mothod of avadina humavical avada | Madullaval | are due to | | | | |
| | | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | V (2) + Ü (2) Module taught in: German or English | | | | | | | |
| | Method of as | ssessment | a) wr | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | b) ora | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | e) presentation/talk (approx. 30 minutes). | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | |
| | | | Langi | Language of assessment: German and/or English | | | | | | | |
| | | 1 | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 11-BMT-161-mo1 | | | | chnology in Medica | _ | | | | | | |
| | ECTS 6 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) + R (1) Module taught in: German or English | | | | | | | | |
| | Method of as | sessment | a) wr | itten examination (| (approx. 90 to 120 minutes) or | | | | | | |
| | | | | | ne candidate each (approx. 30 minutes) or | • • • • | | | | | |
| | | | | | roups (groups of 2, approx. 30 minutes per candi | idate) or | | | | | |
| | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change | | | | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | |
| | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| | | | | | | | | | | | |

| 11-BWW-161-mo1 | Bosoni | sation a | and Intera | ctions in One D | imension | | | | | | |
|----------------|----------------------|----------|-------------|--|---------------|--|---------------------|---------------------|--|--|--|
| | ECTS | 6 | Duration | 1 semes | ster | Method of grading numerical grade | Modul level | graduate | | | |
| | Courses | S | | V (3) + R (1) | | · | • | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method | l of ass | essment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | | e) presentation | n/talk (app | orox. 30 minutes). | | | | | |
| | | | | | | was chosen as method of assessment, this may | | | | | |
| | | | | | | ion of one candidate each or an oral examination students about this by four weeks prior to the or | | | | | |
| | | | | | | t: German and/or English | ngmat exammation | date at the latest. | | | |
| | | | | Assessment of | ffered: In tl | he semester in which the course is offered and in | n the subsequent se | emester | | | |
| 11-CMS-161-m01 | | | l Materials | Science (DFT) | | | | | | | |
| | ECTS 8 Duratio | | | | ster | Method of grading numerical grade | Modul level | graduate | | | |
| | Courses | s | | V (4) + R (2) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-ASP-161-m01 | | | Space Ph | nysics | | | | | | | |
| | ECTS | 6 | Duration | 1 semes | ster | Method of grading numerical grade | Modul level | graduate | | | |
| | Courses | S | | V (3) + R (1) | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method | d of ass | | | | approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or | | | | | |
| | | | | | | | date) or | | | | |
| | | | | c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | | e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | |
| | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |

| 11-FKS-161-m01 | Solid S | tate Sp | ectrocopy | , | | | | , | | | | | |
|-----------------|----------------------|----------|-------------|---|--|---|--|------------------------------------|---|--|--|--|--|
| | ECTS | 6 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (3) - | | | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | | | |
| | Method | d of ass | essment | b) ora c) ora d) pro e) pre If a wi form o the le | l examination of on l examination in gro ject report (approx. sentation/talk (app ritten examination v of an oral examinati cturer must inform s | oups (groups of 2, ap 8 to 10 pages) or rox. 30 minutes) was chosen as metho on of one candidate students about this b | prox. 30 minutes) or prox. 30 minutes per candidate d of assessment, this may be ceach or an oral examination in by four weeks prior to the origin | hanged and ass groups. If the m | sessment may instead take the ethod of assessment is changed, date at the latest. | | | | |
| | | | | | nguage of assessment: German and/or English sessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 11-FPA-161-m01 | | g Resea | | | | | | | | | | | |
| | ECTS | 10 | Duration | | | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Courses | | | R (o) | | | | | | | | | |
| | | | | project report (10 to 20 pages) Language of assessment: German and/or English | | | | | | | | | |
| | other p | rerequi | sites | Approval from examination committee required. | | | | | | | | | |
| 11-CSAM-161-mo1 | | ed Topi | ics in Astı | rophysics | | | | | | | | | |
| | ECTS | 6 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | | _ | V (3) - | | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | | |
| | other p | rerequi | sites | Appro | val from examination | on committee require | d. | | | | | | |

| 11-CSFM-161-mo1 | Advand | ed Top | ics in Soli | d Stat | e Physics | | | , | | | | |
|------------------|--------------------------|--|---|--|---|------------------------|---|-------------|---------------------------------|--|--|--|
| | ECTS | 6 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | :S | | V (3) | + R (1) | ` | | ` | | | | |
| | Method | d of ass | sessment | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes) | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | If a w | ritten examination | was chosen as metho | | | sessment may instead take the | | | |
| | | | | | | | | | ethod of assessment is changed, | | | |
| | | | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | |
| | ath ar m | ************************************** | isitas | | | tion committee require | | | | | | |
| I CKD | other p | | | | | tion committee require | u. | | | | | |
| 11-L-GKP-152-m01 | | | epts of Phy | | 1 | Mathada Camadha | | NA | Lundania duata | | | |
| | | 6 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | undergraduate | | | |
| | Course | !S | | | V (2) + Ü (1) + S (2) Module taught in: Ü: German or English | | | | | | | |
| | Method | Method of assessment | | | a) written examination (approx. 90 minutes) or b) oral examination of one candidate each (approx. 20 minutes) Language of assessment: German and/or English | | | | | | | |
| | Referre | d to in | LPO I | § 77 l | Nr. 1 b) | | | | | | | |
| 11-APL-161-m01 | High Energy Astrophysics | | | | | | | | | | | |
| | ECTS | 6 | Duratio | | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | |
| | Course | ·S | <u>'</u> | V (3) + R (1) | | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | | |
| | Method | d of ass | sessment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | | |
| | | | | | | | prox. 30 minutes) or prox. 30 minutes per cand | idate) or | | | | |
| | | | | | | | prox. 30 minutes per cand | idate) oi | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). | | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | | | |
| | | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| | | | | | | | | | | | | |

| 11-AKM-161-m01 | Cosmo | logy | | | | | | · | | | | | |
|------------------|---------|--|----------|--|--|---------------------------------------|---|---------------|---------------------------------|--|--|--|--|
| | ECTS | 6 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (3) - | | | | | | | | | |
| | | | | | le taught in: Germai | | | | _ | | | | |
| | Method | d of asse | essment | | | pprox. 90 to 120 min | | | | | | | |
| | | | | | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | | d) pro | | | | | | | | | |
| | | | | e) pre | | | | | | | | | |
| | | | | | | | | | ethod of assessment is changed, | | | | |
| | | | | the le | cturer must inform s | students about this b | y four weeks prior to the origina | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | | |
| 11-BSM-161-mo1 | Models | Assessment offered: In the semester in which the course is offered and in the subsequent semester Models Beyond the Standard Model of Elementary Particle Physics | | | | | | | | | | | |
| 11-BSW-161-11101 | | 6 | Duration | | 1 semester | · · · · · · · · · · · · · · · · · · · | numorical grado | Modul level | graduate | | | | |
| | Courses | | | | 1 semester Method of grading numerical grade Modul level graduate Modul level Graduate | | | | | | | | |
| | Course | 3 | | | le taught in: Germai | n or English | | | | | | | |
| | Method | of asse | essment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | | | |
| | | | | | | | |) or | | | | | |
| | | | | | c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | | e) pre | sentation/talk (app | rox. 30 minutes). | | | | | | | |
| | | | | | | | | | sessment may instead take the | | | | |
| | | | | | | | each or an oral examination in y four weeks prior to the origina | | ethod of assessment is changed, | | | | |
| | | | | Langu | age of assessment: | German and/or Engl | ish | | | | | | |
| | | , | | | | | the course is offered and in the | subsequent se | emester | | | | |
| 11-L-M3-152-m01 | | | | | rticle and Astrophy | , | | | | | | | |
| | ECTS | 6 | Duration | | 2 semester | Method of grading | numerical grade | Modul level | undergraduate | | | | |
| | Course | S | | V (3) + Ü (1) | | | | | | | | | |
| | Matha a | | | | Module taught in: Ü: German or English | | | | | | | | |
| | Method | ı oı asse | essment | written examination (approx. 90 to 120 minutes) Language of assessment: German and/or English | | | | | | | | | |
| | Referre | | | § 77 l Nr. 1 b) | | | | | | | | | |
| | | | | 577 | | | | | | | | | |

| 11-CRP-161-m01 | Renormali | zation Group | and Critical Phenome | na | , | | | | | |
|-----------------|--|--------------|--|--|--|--|--|--|--|--|
| | ECTS 6 | Duratio | n 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | , | V (3) + R (1) Module taught in: Ge | erman or English | | | | | | |
| | Method of | assessment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-L-T1-161-m01 | Theoretical Physics 1 for Pre Service Teachers | | | | | | | | | |
| | ECTS 7 | Duratio | n 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Courses | · | V (4) + Ü (2) Module taught in: Ü: German or English | | | | | | | |
| | Method of | assessment | written examination (approx. 120 minutes) Language of assessment: German and/or English | | | | | | | |
| | other prer | equisites | Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester. | | | | | | | |
| | Additional | Information | this will be considered ASPO (general acade tained the qualification those students that rester for an assessment | dent registers for the exercises or the seminar an ed a declaration of will to seek admission to assermic and examination regulations). If the module ion for admission to assessment, they will put the meet the respective prerequisites can successful into the whose registration for an assessment was redent takes an assessment to which he/she has need. | essment pursuant to Se e coordinators subseque ne student's registration lly register for an assess not put into effect will n | ction 20 Subsection 3 Sentence 4 ently find that the student has ob- for assessment into effect. Only sment. Students who did not regi- ot be admitted to the respective | | | | |

| 11-L-T2-161-m01 | Theore | tical Pl | ysics 2 fo | r Pre S | Service Teachers - | Exercises | | ı | | | |
|-----------------|------------------------|----------|------------|--|--|--|---|---|---------------|--|--|
| | ECTS | 7 | Duration | n | 1 semester | Method of gradin | g numerical grade | Modul level | undergraduate | | |
| | Course | S | | | V (4) + Ü (2) Module taught in: Ü: German or English | | | | | | |
| | Method of assessment | | | Asses | oral examination of one candidate each (approx. 30 minutes) Assessment will have reference to the contents of modules 11-L-T1 and 11-L-T2. Language of assessment: German and/or English | | | | | | |
| | other prerequisites | | | succe | Admission prerequisite to assessment: completion of exercises (approx. 13 exercise sheets per semester). Students who successfully completed approx. 50% of exercises will qualify for admission to assessment. The lecturer will inform students about the respective details at the beginning of the semester. | | | | | | |
| | Additional Information | | | this w ASPO tained those ster for assess | Registration: If a student registers for the exercises or the seminar and obtains the qualification for admission to assessment, this will be considered a declaration of will to seek admission to assessment pursuant to Section 20 Subsection 3 Sentence 4 ASPO (general academic and examination regulations). If the module coordinators subsequently find that the student has obtained the qualification for admission to assessment, they will put the student's registration for assessment into effect. Only those students that meet the respective prerequisites can successfully register for an assessment. Students who did not register for an assessment or whose registration for an assessment was not put into effect will not be admitted to the respective assessment. If a student takes an assessment to which he/she has not been admitted, the grade achieved in this assessment will not be considered. | | | | | | |
| 11-NMA-161-mo1 | Compu | tationa | l Astrophy | ysics | | | | | | | |
| | ECTS | 6 | Duration | n | 1 semester | Method of gradin | g numerical grade | Modul level | graduate | | |
| | Course | S | | | + R (1) ıle taught in: Gern | nan or English | | | | | |
| | Metho | d of ass | essment | b) ora c) ora d) pro e) pro If a w form the le | al examination of al examination in go pject report (appro- esentation/talk (a ritten examination of an oral examin- ecturer must informage of assessme | groups (groups of 2, a ox. 8 to 10 pages) or oprox. 30 minutes) on was chosen as metl ation of one candidat on students about this ont: German and/or Er | approx. 30 minutes) or approx. 30 minutes per car nod of assessment, this me each or an oral examina by four weeks prior to the | nay be changed and as ition in groups. If the me e original examination | | | |

| 11-GGD-161-m01 | Introduction to Gauge/Gravity Duality | | | | | | | | | | |
|----------------|---|---|--|--|---|------------------|----------|--|--|--|--|
| | ECTS 8 | Duration | 1 sem | nester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V (4) + R (2) | | | • | | | | | |
| | | | Module taught in: German or English | | | | | | | | |
| | Method of | f assessment | | | approx. 90 to 120 minutes) or | | | | | | |
| | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | d) project re | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) presentat | ion/talk (app | prox. 30 minutes). | | | | | | |
| | | | | | was chosen as method of assessment, this may be ion of one candidate each or an oral examination in | | | | | | |
| | | | | | students about this by four weeks prior to the origi | | | | | | |
| | | | Language of | fassessment | : German and/or English | | | | | | |
| | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | | |
| 11-TPE-161-m01 | | ntal Particle Pl | <u> </u> | | | | | | | | |
| | ECTS 6 | Duration | | nester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) + R (1) Module taug | (3) + R (1) Module taught in: German or English | | | | | | | |
| | Method of | fassessment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) presentation/talk (approx. 30 minutes). | | | | | | | | |
| | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instea | | | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | |
| | | | | f assessment | uate at the tatest. | | | | | | |
| | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 11-KFT-161-m01 | Conforma | l Field Theory | | | | | | | | | |
| | ECTS 6 | Duration | 1 sem | nester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V(3) + R(1) | | | | | | | | |
| | | | Module taught in: German or English | | | | | | | | |
| | Method of | t assessment | a) written ex | kamination (a | approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or | | | | | | |
| | | | c) oral exam | imation in gr | oups (groups of 2, approx. 30 minutes) of | te) or | | | | | |
| | | | d) project re | port (approx | . 8 to 10 pages) or | | | | | | |
| | | | | | prox. 30 minutes). | | | | | | |
| | | | | | was chosen as method of assessment, this may be | | | | | | |
| | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessments the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | | |
| | | | Language of assessment: German and/or English | | | | | | | | |
| | | | Assessment | offered: In t | he semester in which the course is offered and in the | ne subsequent se | emester | | | | |

| 11-KFT2-161-m01 | Conformal F | ield Theory | 2 | | | | | | | | |
|-----------------|-------------|-------------|---|---|---|---|----------|--|--|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | + R (1) | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method of a | issessment | b) ora c) ora d) pro | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| | | | If a w form the le | | | | | | | | |
| 11-MAG-161-mo1 | Magnetism | | | | | | | | | | |
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | (3) + R (1) odule taught in: German or English | | | | | | | |
| | Method of a | ssessment | b) ora c) ora d) pro e) pro If a w form the le | al examination of only examination in going the second of | ation of one candidate each or an oral examinatio | ch (approx. 30 minutes) or 2, approx. 30 minutes per candidate) or or s). nethod of assessment, this may be changed and assessment may instead t date each or an oral examination in groups. If the method of assessment is this by four weeks prior to the original examination date at the latest. or English | | | | | |
| 11-MAS-161-mo1 | Multi-wavel | | | | | | | | | | |
| | ECTS 6 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) + R (1) Module taught in: German or English | | | | | | | | |
| | Method of a | ssessment | b) ora c) ora d) pro e) pro If a w form the lo Lango | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |

| 11-NOP-161-m01 | Nano-Optics | | | | | | | | | | | |
|----------------|-------------|---------------|-------------------------------------|---|--|------------------|-------------------------------|--|--|--|--|--|
| | ECTS 6 | 5 Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | V (3) + | | · | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | | |
| | Method o | of assessment | | | approx. 90 to 120 minutes) or | | | | | | | |
| | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes) a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | d) pro | | | | | | | | | |
| | | | e) pre | | | | | | | | | |
| | | | form of | ritten examination of an oral examinat | was cnosen as method of assessment, this may be tion of one candidate each or an oral examination in | cnanged and as: | sessment may instead take the | | | | | |
| | | | | | students about this by four weeks prior to the origin | | | | | | | |
| | | | Langu | lage of assessmen | t: German and/or English | | | | | | | |
| | | | | | the semester in which the course is offered and in th | ie subsequent se | emester | | | | | |
| 11-HNS-161-m01 | | | | ductor Nanostructi | | | | | | | | |
| | ECTS 6 | 5 Duratio | , | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | | (3) + R (1) odule taught in: German or English | | | | | | | | |
| | Method o | of assessment | | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | | |
| | | | d) pro | d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | e) pre | e) presentation/talk (approx. 30 minutes). | | | | | | | | |
| | | | | f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is che lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| 11-0HL-161-m01 | Organic | Semiconductor | S | | | | | | | | | |
| | ECTS 6 | 5 Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | V (3) + | | | | | | | | | |
| | | | Module taught in: German or English | | | | | | | | | |
| | Method | of assessment | a) writ | tten examination (a | approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or | | | | | | | |
| | | | c) ora | l examination in gr | oups (groups of 2, approx. 30 minutes) of | e) or | | | | | | |
| | | | d) pro | ject report (approx | k. 8 to 10 pages) or | o, c. | | | | | | |
| | | | | sentation/talk (ap | | | | | | | | |
| | | | | | was chosen as method of assessment, this may be tion of one candidate each or an oral examination in | | | | | | | |
| | | | | | students about this by four weeks prior to the origin | | | | | | | |
| | | | Langu | lage of assessmen | t: German and/or English | | | | | | | |
| | | | Asses | sment offered: In t | the semester in which the course is offered and in th | e subsequent se | emester | | | | | |

| 11-PKS-161-m01 | Physics of Complex Systems | | | | | | | | | | | |
|-----------------|----------------------------|---|--|---|--|--|---------------------------------------|----------|--|--|--|--|
| | ECTS | 6 | Duration |) | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | | + R (2) | · | * | | | | | |
| | | | | | Module taught in: German or English | | | | | | | |
| | Method | of asse | | | | approx. 90 to 120 minutes) or | | | | | | |
| | | | | | oral examination of one candidate each (approx. 30 minutes) or) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or l) project report (approx. 8 to 10 pages) or) presentation/talk (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | d) pro | | | | | | | | |
| | | | | e) pre | | | | | | | | |
| | | | | | | was cnosen as method of assessment, this may be tion of one candidate each or an oral examination i | | | | | | |
| | | | | | | students about this by four weeks prior to the origi | | | | | | |
| | | | | Langu | uage of assessmen | t: German and/or English | | | | | | |
| | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | | |
| 11-PMM-161-mo1 | | | anced Ma | | İ | | · · · · · · · · · · · · · · · · · · · | | | | | |
| | ECTS 6 Duration | | | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | | (3) + R (1) odule taught in: German or English | | | | | | | |
| | Method | of asse | | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | | |) oral examination of one candidate each (approx. 30 minutes) or) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | | e) pre | e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | | | | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | | |
| | | | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-QFT2-161-m01 | | m Field | Theory II | | | | | | | | | |
| | ECTS | 8 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | i | | | + R (2) | | | | | | | |
| | | | | Module taught in: German or English | | | | | | | | |
| | Method | of asse | essment | a) wri | tten examination (a | approx. 90 to 120 minutes) or ne candidate each (approx. 30 minutes) or | | | | | | |
| | | | | c) ora | il examination in gr | oups (groups of 2, approx. 30 minutes) of | te) or | | | | | |
| | | | | d) pro | oject report (approx | k. 8 to 10 pages) or | , | | | | | |
| | | | | | esentation/talk (ap | | | | | | | |
| | | | | | | was chosen as method of assessment, this may be | | | | | | |
| | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | | | |
| | | | | Langu | uage of assessmen | t: German and/or English | | | | | | |
| | | | | Asses | ssment offered: In t | the semester in which the course is offered and in t | he subsequent se | emester | | | | |

| 11-QM2-161-m01 | Quantı | ım Med | hanics II | | | | , | | | | | |
|-----------------|--------|---|-----------|--|--|---|---------------------|---------------------|--|--|--|--|
| | ECTS | 8 | Duration | ı | 1 semester | Method of grading numerical grade | Modul level | undergraduate | | | | |
| | Course | :S | · | | + R (2) | | , | | | | | |
| | | | | | Module taught in: German or English | | | | | | | |
| | Method | d of ass | sessment | a) wr | tten examination | (approx. 90 to 120 minutes) or one candidate each (approx. 30 minutes) or | | | | | | |
| | | | | | oral examination in groups (groups of 2, approx. 30 minutes) or project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | | | | | | | | | |
| | | | | e) pre | | | | | | | | |
| | | | | | | ation of one candidate each or an oral examination | | | | | | |
| | | | | | | n students about this by four weeks prior to the or | riginal examination | date at the latest. | | | | |
| | | | | | | nt: German and/or English | n the cubcequent co | amastar | | | | |
| 11-RTT-161-mo1 | Theory | Assessment offered: In the semester in which the course is offered and in the subsequent semester Theory of Relativity | | | | | | | | | | |
| II KII IOI MOI | ECTS | 6 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | !S | | V (3) | + R (1) | | | 10 | | | | |
| | | | | Modu | Module taught in: German or English | | | | | | | |
| | Method | d of ass | sessment | a) wr | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | | d) project report (approx. 8 to 10 pages) or especially project report (approx. 30 minutes). f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | e) pre | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is ch The lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | | Langi | | | | | | | | |
| | _ | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 11-RMFT-161-m01 | | _ | | | ds in Field Theory | . | 1 | | | | | |
| | ECTS | 8 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | | | V (4) + R (2) Module taught in: German or English | | | | | | | | |
| | Method | d of ass | sessment | | | (approx. 90 to 120 minutes) or | | | | | | |
| | | | | | | one candidate each (approx. 30 minutes) or roups (groups of 2, approx. 30 minutes per candi | idate) or | | | | | |
| | | | | | | x. 8 to 10 pages) or | idate) of | | | | | |
| | | | | e) pre | esentation/talk (ap | prox. 30 minutes) | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, | | | | | | | | |
| | | | | | | n students about this by four weeks prior to the o | | | | | | |
| | | | | Langi | uage of assessmer | nt: German and/or English | | | | | | |
| | | | | Asses | ssment offered: In | the semester in which the course is offered and in | n the subsequent se | emester | | | | |

| 11-SPI-161-m01 | Spintronics | | | | | | | | | | |
|------------------|--|-----------|--|--|--|------------------------|---------------------------------|--|--|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | V (3) | + R (1) | | , | | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method of as: | sessment | | n) written examination (approx. 90 to 120 minutes) or or or one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | c) ora | c) oral examination of one candidate each (approx. 30 minutes) of c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | d) pro | | | | | | | | |
| | | | | | oprox. 30 minutes). was chosen as method of assessment, this may | be changed and as | sessment may instead take the | | | | |
| | | | form | of an oral examina | tion of one candidate each or an oral examination | on in groups. If the m | ethod of assessment is changed, | | | | |
| | | | | | n students about this by four weeks prior to the o | original examination | date at the latest. | | | | |
| | | | | | nt: German and/or English the semester in which the course is offered and | in the subsequent so | emester | | | | |
| 11-TEP-161-m01 | Theoretical El | lementary | | | the semester in which the course is offered and | The subsequent st | | | | | |
| | ECTS 8 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | + R (2) | | • | | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method of ass | sessment | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | | oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | d) pro | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) pre | esentation/talk (ap | oprox. 30 minutes). | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is change the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | |
| | | | the le | | | | | | | | |
| | | | | | | | | | | | |
| 11-TFK-161-m01 | Assessment offered: In the semester in which the course is offered and in the subsequent semester Theoretical Solid State Physics | | | | | | | | | | |
| 11-15K-101-11101 | ECTS 8 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | Duratio | | | Method of grading humerical grade | Modulitevel | graduate | | | | |
| | Courses | | V (4) + R (2) Module taught in: German or English | | | | | | | | |
| | Method of ass | sessment | a) wr | itten examination (| (approx. 90 to 120 minutes) or | | | | | | |
| | | | | | one candidate each (approx. 30 minutes) or | • • • • • | | | | | |
| | | | | | roups (groups of 2, approx. 30 minutes per cand | idate) or | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | | | was chosen as method of assessment, this may | | | | | | |
| | | | | form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is character must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | Language of assessment: German and/or English | | | | | | | | |
| | | | Asse | ssment offered: In | the semester in which the course is offered and | in the subsequent se | emester | | | | |

| 11-TFK2-161-m01 | Theoretica | Solid State | Physics 2 | | ' | | | | | | |
|-----------------|------------|--------------|--|---|--------------------------|---------------------------------|--|--|--|--|--|
| | ECTS 8 | Duratio | n 1 semester | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | V (4) + R (2) | | • | | | | | | |
| | | | Module taught in: Ge | | | | | | | | |
| | Method of | assessment | | on (approx. 90 to 120 minutes) or of one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or | | | | | | | | |
| | | | | | | | | | | | |
| | | | |) presentation/talk (approx. 30 minutes). a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | ination of one candidate each or an oral examinat | | | | | | | |
| | | | | orm students about this by four weeks prior to the | e original examination | date at the latest. | | | | | |
| | | | | nent: German and/or English In the semester in which the course is offered and | d in the subsequent se | amester | | | | | |
| 11-MRI-171-mo1 | Advanced I | Magnetic Res | sonance Imaging | in the semester in which the course is offered and | d iii tile subsequent se | emester | | | | | |
| II Wiki 1/1 moi | ECTS 6 | Duration | | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | Baracion | V (3) + R (1) | method of glading humerical glade | modulitevel | Siddate | | | | | |
| | | | Module taught in: English | | | | | | | | |
| | Method of | assessment | a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | | | |) oral examination of one candidate each (approx. 30 minutes) or) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) presentation/talk (approx. 30 minutes) | | | | | | | | |
| | | | | If a written examination was chosen as method of assessment, this may be changed and assessment may inste- form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment | | | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English | | | | | | | | |
| | | | | | | | | | | | |
| | | | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | |
| 11-EPP-161-m01 | | n to Plasma | _ <u> </u> | | 1 | | | | | | |
| | ECTS 6 | Duratio | | Method of grading numerical grade | Modul level | graduate | | | | | |
| | Courses | | V(2) + R(2) | | | | | | | | |
| | Method of | accaccment | Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | Method of | assessificit | b) oral examination of | of one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | c) oral examination in | n groups (groups of 2, approx. 30 minutes per can | ndidate) or | | | | | | |
| | | | | orox. 8 to 10 pages) or (approx. 30 minutes) | | | | | | | |
| | | | | (approx. 30 minutes) ion was chosen as method of assessment, this ma | av be changed and ass | sessment may instead take the | | | | | |
| | | | form of an oral exam | ination of one candidate each or an oral examinat | tion in groups. If the m | ethod of assessment is changed, | | | | | |
| | | | the lecturer must inform students about this by four weeks prior to the original examination date at the late | | | | | | | | |
| | | | | nent: German and/or English In the semester in which the course is offered and | d in the subsequent se | emester | | | | | |
| | | | i i i i i i i i i i i i i i i i i i i | | | | | | | | |

| 11-SSC-172-m01 | Surfac | e Scienc | :e | | | | | | | | | |
|--------------------|---------|----------|-----------|---|--|---|-------------------|---------------------------------|--|--|--|--|
| | ECTS | 6 | Duration | ı | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | 25 | | V (3) - | | | | | | | | |
| | | | | | Module taught in: English | | | | | | | |
| | Metho | d of ass | essment | a) wri | written examination (approx. 90 to 120 minutes) or oral examination of one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | | | oral examination of one candidate each (approx. 30 minutes) of oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | d) pro | ject report (approx | k. 8 to 10 pages) or | | | | | | |
| | | | | | sentation/talk (ap | prox. 30 minutes) was chosen as method of assessment, this may be | changed and as | sessment may instead take the | | | | |
| | | | | | | tion of one candidate each or an oral examination in | | | | | | |
| | | | | | | students about this by four weeks prior to the origin | nal examination | date at the latest. | | | | |
| | | | | | | t: German and/or English the semester in which the course is offered and in th | o cubcoquent c | omostor | | | | |
| 11-STRG1-171-m01 | String | Theory : | 1 | ASSES | Silient onereu. In t | the semester in which the course is offered and in the | - subsequent so | emester | | | | |
| 11-31kG1-1/1-11101 | ECTS | 8 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | | | | | method of grading humenear grade | modul level | Sidduce | | | | |
| | | .5 | | | / (4) + R (2) Module taught in: German or English | | | | | | | |
| | Metho | d of ass | essment | | a) written examination (approx. 90 to 120 minutes) or | | | | | | | |
| | | | | | oral examination of one candidate each (approx. 30 minutes) or oral examination in groups (groups of 2, approx. 30 minutes per candidate) or | | | | | | | |
| | | | | | d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | | e) pre | presentation/talk (approx. 30 minutes) f a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | anguage of assessment: German and/or English | | | | | | | |
| | | | 1 | Asses | Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-STRG2-171-m01 | | Theory | _ | | | | | | | | | |
| | ECTS | 6 | Duration | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Course | 25 | | V (3) - | | an ar English | | | | | | |
| | Motho | d of acc | | Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or | | | | | | | | |
| | Metho | u 01 a55 | essilient | b) ora | l examination of o | ne candidate each (approx. 30 minutes) or | | | | | | |
| | | | | c) ora | l examination in gr | oups (groups of 2, approx. 30 minutes per candidate | e) or | | | | | |
| | | | | | | (. 8 to 10 pages) or | | | | | | |
| | | | | | sentation/talk (ap | was chosen as method of assessment, this may be | changed and as | sessment may instead take the | | | | |
| | | | | form o | of an oral examinat | tion of one candidate each or an oral examination in | groups. If the m | ethod of assessment is changed, | | | | |
| | | | | the lecturer must inform students about this by four weeks prior to the original examination date at the latest | | | | | | | | |
| | | | | | | t: German and/or English the semester in which the course is offered and in th | e subsequent so | emester | | | | |
| | | | | 5565 | | | - Januaryaciit Ji | | | | | |

| 11-SLQ-232-m01 | Black Holes | | | | | , , , , , , , , , , , , , , , , , , , | | | | | |
|-------------------|---|--|-------------------------------------|---|--|---------------------------------------|---------------------------------|--|--|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | · | V (3) | + R (1) | | , | | | | | |
| | | | | Module taught in: German or English a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | |
| | Method of as | sessment | | | | | | | | | |
| | | | | oral examination of one candidate each (approx. 30 minutes) of oral examination in groups (groups of 2, approx. 30 minutes per candidate) or l) project report (approx. 8 to 10 pages) or presentation/talk (approx. 30 minutes). | | | | | | | |
| | | | d) pro | | | | | | | | |
| | | | | | oprox. 30 minutes). was chosen as method of assessment, this may | v be changed and as | sessment may instead take the | | | | |
| | | | form | of an oral examina | tion of one candidate each or an oral examination | on in groups. If the m | ethod of assessment is changed, | | | | |
| | | | | | n students about this by four weeks prior to the o | original examination | date at the latest. | | | | |
| | | | | | nt: German and/or English the semester in which the course is offered and | in the subsequent se | emester | | | | |
| 11-AST-161-m01 | Theoretical A | strophysic | | | the semester in which the course is cherea and | - Sabbequent st | | | | | |
| | ECTS 6 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | ļ | | + R (2) | , | | · | | | | |
| | | | | Module taught in: German or English | | | | | | | |
| | Method of as | sessment | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or | | | | | | | |
| | | | | | roups (groups of 2, approx. 30 minutes) or | didate) or | | | | | |
| | | | d) pro | d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the | | | | | | | |
| | | | | | | | | | | | |
| | | | | | tion of one candidate each or an oral examination | | | | | | |
| | | | the le | cturer must inform | | | | | | | |
| | | | | Language of assessment: German and/or English | | | | | | | |
| 11-AKTF-201-m01 | Assessment offered: In the semester in which the course is offered and in the subsequent semester Selected Topics of Theoretical Solid State Physics | | | | | | | | | | |
| 11-AK11-201-11101 | ECTS 6 | Duratio | | 1 semester | Method of grading numerical grade | Modul level | graduate | | | | |
| | Courses | 2 4. 40.0 | | + R (1) | memor or grading mamorical grade | | 13.4444 | | | | |
| | | | Module taught in: German or English | | | | | | | | |
| | Method of as | sessment | | | (approx. 90 to 120 minutes) or | | | | | | |
| | | | | | ne candidate each (approx. 30 minutes) or | didata) or | | | | | |
| | | | d) pro | c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or | | | | | | | |
| | | | e) pre | esentation/talk (ap | prox. 30 minutes). | | | | | | |
| | | | | | was chosen as method of assessment, this may | | | | | | |
| | | form of an oral examination of one candidate each or an oral examination in groups. If the method the lecturer must inform students about this by four weeks prior to the original examination date at | | | | | | | | | |
| | | | Langu | uage of assessmer | nt: German and/or English | | | | | | |
| | | | Asses | ssment offered: In | the semester in which the course is offered and | in the subsequent se | emester | | | | |

| 11-FFK-201-m01 | Field The | eory in S | Solid Sta | te Phy | rsics | | | | | |
|----------------|-----------|-----------|-----------|--|------------------------------|----------------------|-----------------|-------------|----------|--|
| | ECTS | 8 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | |
| | Courses | | | V (4) - Modu | R (2) le taught in: Germa | n or English | | | | |
| | Method | of asses | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | |
| 11-FK2-201-m01 | Solid Sta | ate Phy | | | | | | | | |
| | ECTS | 8 | Duration | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | |
| | Courses | | | V (4) + R (2) Module taught in: German or English | | | | | | |
| | Method | of asse | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | |
| | other pre | erequisi | ites | Appro | val from examination | on committee require | d. | | | |

| 11-QIC-201-m01 | Advanced Th | neory of Qua | antum (| Computing and Qu | uantum Information | | | | | |
|-----------------|----------------|--------------|--|--|------------------------|-----------------|-------------|----------|--|--|
| | ECTS 6 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | · | | V (3) + R (1) Module taught in: German or English | | | | | | |
| | Method of as | ssessment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-GRTM-201-m01 | Group Theor | у | | | | | | | | |
| | ECTS 6 Duratio | | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Courses | · | V (3) + R (1) Module taught in: German or English | | | | | | | |
| | Method of as | ssessment | b) ora c) oral d) pro e) pre If a wr form o the led Langu | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | |
| | other prereq | uisites | Appro | val from examina | tion committee require | ed. | | | | |

| 11-HPH-201-m01 | Semico | nducto | r Physics | | | | | | | | |
|----------------|--------|-----------|-----------|--|-------------------------------|-------------------|-----------------|-------------|----------|--|--|
| | ECTS | 6 | Duratio | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | S | | V (3) + Modu | R (1) le taught in: Germar | n or English | | | | | |
| | Method | d of asse | essment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| 11-PTS-201-m01 | Phenon | nenolog | y and Th | | eory of Superconductivity | | | | | | |
| | ECTS | 6 | Duration | n | 1 semester | Method of grading | numerical grade | Modul level | graduate | | |
| | Course | S | | V (3) + Modu | R (1) le taught in: Germar | n or English | | , | | | |
| | Method | d of asse | essment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |

| 11-QFT1-201-m01 | Quantum Field Theory I | | | | | | | | | | |
|-----------------|------------------------|---------|----------|--|------------|-----------------------------------|-------------|----------|--|--|--|
| | ECTS | 8 | Duration | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | S | | V (4) + R (2) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |
| | other p | rerequi | sites | Approval from examination committee required. | | | | | | | |
| 11-QTR-201-m01 | Quantum Transport | | | | | | | | | | |
| | ECTS 6 Duratio | | | 1 | 1 semester | Method of grading numerical grade | Modul level | graduate | | | |
| | Course | S | | V (3) + R (1) Module taught in: German or English | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed, the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | |

| 1-TPSM-201-m01 | Particle Physics (Standard Model) | | | | | | | | | | | | |
|--------------------|--|----------|-----------------|---|---|--|--|------------------------------------|----------|--------------|--|--|--|
| | ECTS 6 Duration | | | ı | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | , | V (3) + R (1) Module taught in: German or English | | | | | | | | | |
| | Method | d of ass | sessment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| | other p | rerequ | isites | Approval from examination committee required. | | | | | | | | | |
| 1-TEFK-201-m01 | Topological Effects in Solid State Physics | | | | | | | | | | | | |
| | ECTS | 8 | Duration | ı | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | V (4) + R (1) Module taught in: German or English | | | | | | | | | |
| Jodula Area P. Foo | us Subi | oct has | and Didact | b) oral examination of one candidate each (approx. 30 minutes) or c) oral examination in groups (groups of 2, approx. 30 minutes per candidate) or d) project report (approx. 8 to 10 pages) or e) presentation/talk (approx. 30 minutes). If a written examination was chosen as method of assessment, this may be changed and assessment may instead take the form of an oral examination of one candidate each or an oral examination in groups. If the method of assessment is changed the lecturer must inform students about this by four weeks prior to the original examination date at the latest. Language of assessment: German and/or English Assessment offered: In the semester in which the course is offered and in the subsequent semester | | | | | | | | | |
| lodule Area B: Foo | | | | | ECTS credits) | | | | | | | | |
| INT-B1-162-m01 | | | oject Didac | | | | | | | | | | |
| | ECTS 5 Duratio | | | n 1 semester Method of grading numerical grade Modul level graduate V(2) + Ü(1) Module taught in: German and/or English Course type: alternatively S(2) or P(2) instead of Ü(1) | | | | | | | | | |
| | Method | d of ass | sessment | a) wri b) ora c) tal d) pra e) ter Lange | itten examination al examination of k (30 to 60 minute actical assignmen m paper (approx. | (approx. 90 to 120 min one candidate each (20 es) or | utes) or o to 40 minutes) or ox. 10 to 20 pages) an chosen) | d talk (approx. 15 minute | es) or | | | | |
| | | | avaria (ENB) (2 | | | | T | ed 19-Apr-2025 • exam. reg. data r | | page 110 / : | | | |

| MINT-B2-162-m01 | Advanced Subject Didactics 2 | | | | | | | | | | | | | |
|-----------------|------------------------------|--|----------|--|------------------------------|---------------------|-------------|----------|--|--|--|--|--|--|
| | ECTS 5 Duration | | | 1 semester | Method of grading numerica | l grade | Modul level | graduate | | | | | | |
| | Course | S | | V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1) | | | | | | | | | | |
| | | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus | | | | | | | | | | |
| | | ernational, interdisplinary research (10 ECTS credits) | | | | | | | | | | | | |
| MINT-C1-162-m01 | | ch in Gr | | | | | T | | | | | | | |
| | | 5 | Duration | | Method of grading (not) succ | cessfully completed | Modul level | graduate | | | | | | |
| | Course | S | | $V(2) + \ddot{U}(1)$ Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of $\ddot{U}(1)$ | | | | | | | | | | |
| | Method | d of asse | essment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus | | | | | | | | | | |
| MINT-C2-162-m01 | Scientific Internship | | | | | | | | | | | | | |
| | ECTS | 5 | Duration | 1 semester | Method of grading (not) succ | cessfully completed | Modul level | graduate | | | | | | |
| | Courses | | | $V(2) + \ddot{U}(1)$ Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of $\ddot{U}(1)$ | | | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus | | | | | | | | | | |

| Module Area D: Sub | niect sne | ecific ke | v skills (| o ECT | S credits) | | | | | | | | |
|-------------------------------|--|-----------|------------|--|-------------------|------------------------------|------------------------------|-------------|----------|--|--|--|--|
| MINT-D1-162-m01 | Key Competences for Teaching Professions 1 | | | | | | | | | | | | |
| | ECTS 5 Duration | | | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | | |
| | Course | S | | V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1) | | | | | | | | | |
| | Method of assessment | | | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| MINT-D2-162-m01 | Key Competences for Teaching Professions 2 | | | | | | | | | | | | |
| | ECTS | 5 | Duratio | 1 | 1 semester | Method of grading | (not) successfully completed | Modul level | graduate | | | | |
| | Course | S | | V (2) + Ü (1) Module taught in: German and/or English Course type: alternatively S (2) or P (2) instead of Ü (1) | | | | | | | | | |
| | Method | d of asse | essment | a) written examination (approx. 90 to 120 minutes) or b) oral examination of one candidate each (20 to 40 minutes) or c) talk (30 to 60 minutes) or d) practical assignment including report (approx. 10 to 20 pages) and talk (approx. 15 minutes) or e) term paper (approx. 15 to 25 pages, usually chosen) Language of assessment: German and/or English creditable for bonus | | | | | | | | | |
| Module Area E: Mas | ster The | sis (30 l | CTS cred | its) | | | | | | | | | |
| MINT-MA-162-mo1 Master-Thesis | | | | | | | | | | | | | |
| | ECTS 30 Duration | | | 1 | 1 semester | Method of grading | numerical grade | Modul level | graduate | | | | |
| | Course | S | | No courses assigned to module | | | | | | | | | |
| | Method | d of asse | essment | Master's thesis (approx. 60 pages) Language of assessment: German and/or English | | | | | | | | | |
| | Additional Information | | | Time to complete: 6 months. | | | | | | | | | |