**- Unofficial consolidated reading version -**

The following is the wording of the examination regulations for the Bachelor's degree program “Marine Geosciences” (full subject), as it results from

* the version of the regulations dated February 3, 2021 (Brem.OJ p. 411) and
* the regulations amending the subject-specific examination regulations for the Bachelor's degree program “Marine Geosciences” (full subject) at the University of Bremen dated October 23, 2024 (Brem.OJ p. 132)

Information on the content of the individual amendment regulations and the entry into force of the regulations contained therein cannot be presented here.

**Subject-specific examination regulations for the Bachelor's degree course “Marine Geosciences” (full subject) at the University of Bremen**

From October 23, 2024

These subject-specific examination regulations apply in conjunction with the General Part of the Examination Regulations for Bachelor's Degree Programs (AT BPO) at the University of Bremen dated January 27, 2010, as amended.

§ 1

**Scope of studies and degree**

(1) A total of 180 credit points (CP) must be earned in accordance with the European Credit Transfer and Accumulation System (ECTS) in order to successfully complete the Bachelor's degree course in Marine Geosciences. This corresponds to a standard period of study of 6 semesters.

(2) The degree

Bachelor of Science (abbreviated to B.Sc.)

is awarded on successful completion of the Bachelor's examination.

§ 2

**Course structure, modules and credit points**

(1) The Bachelor's degree course in „Marine Geosciences“ is studied as a full Bachelor's degree course in accordance with Section 4 (1) (1) AT BPO. The General Studies area in accordance with Section 4(1)(1) AT BPO comprises 18 CP, of which 6 CP can be freely selected as part of a module from the supplementary studies at the University of Bremen, see module description for details.

(2) The degree program is structured as shown below:

a) Bachelor's thesis amounting to 12 CP;

b) Principles in Marine Geosciences amounting to 54 CP;

c) Principles in Mathematical and Science amounting to 36 CP;

d) Practical Professional Competences in Geosciences totaling 24 CP including the General Studies area with 18 CP;

e) Specializations, i.e. compulsory elective modules amounting to a total of 54 CP. Three specializations in accordance with Appendix 2.5, each worth 18 CP, must be completed in full. A change of specialization is only possible upon justified application to the Examination Board. The Examination Board will decide on the recognition of achievements in the area of specialization in the event of a change of specialization on an individual basis.

(3) Appendix 1 shows the recommended course of study, Appendix 2 regulates the examinations to be taken.

(4) Modules are carried out as compulsory or compulsory elective modules.

(5) The compulsory and compulsory elective modules provided in the curriculum are offered at least once a year.

(6) Compulsory modules are taught in English and compulsory elective modules in German and/or English. It is guaranteed that the course can be completed entirely in English.

(7) The courses assigned to the modules are indicated in the module descriptions.

(8) Courses are held in accordance with Section 6 (1) AT BPO. Other types of courses may be specified by decisions of the Rectorate.

(9) The degree program includes a compulsory work placement of 6 CP. The internship regulations regulate the proximity.

(10) Studying abroad is optional. Recognition of achievements should be discussed in advance with the relevant advisory service.

§ 3

**Examinations**

(1) Examinations are conducted in the forms specified in §§ 8 ff. AT BPO and the University of Bremen's regulations for conducting electronic examinations (DigiPrüfO UB/Digitalprüfungsordnung) in the currently valid versions: In addition, examinations may be conducted in the forms listed in Appendix 3. In individual cases, the Examination Board may approve other forms of examination at the request of an examiner.

(2) A re-examination may be conducted in a form other than the original one in accordance with Section 20 (4) AT BPO.

(3) Students will be informed of the deadlines and scope of examinations at the beginning of the module.

(4) English is the examination language, German may be the examination language in the compulsory elective courses taught in German.

(5) The compensation principle in accordance with Section 5 (8) AT BPO is not applied.

§ 4

**Recognition and crediting**

The recognition or crediting of achievements is carried out in accordance with § 22 AT BPO as amended.

§ 5

**Admission requirements for modules**

There are no admission requirements for modules except in the context of § 6 paragraph 2.

§ 6

**Bachelor's thesis module (including colloquium)**

(1) The Bachelor's thesis module (12 CP) includes the Bachelor's thesis and the colloquium.

(2) Proof of at least 120 CP is required to register for the Bachelor's thesis (incl. colloquium).

(3) The processing time for the Bachelor's thesis is 9 weeks. The Examination Board may approve a one-off extension of a maximum of 3 weeks upon justified request.

(4) The Bachelor's thesis is written as an individual work.

(5) The Bachelor's thesis is written in English.

(6) A colloquium is held for the Bachelor's thesis. A joint module grade is calculated for the Bachelor's thesis and colloquium. The grade for the Bachelor's thesis accounts for 75% and the grade for the colloquium for 25% of the joint grade.

§ 7

**Overall grade of the Bachelor's examination**

Graded modules from the first to third semester (in accordance with the study plan) are included in the overall grade on the basis of the grades weighted with their credit points. All graded modules from the fourth to sixth semester (according to the study plan) are included in the overall grade with a double grade weighting. Ungraded modules are not included in the calculation.

§ 8

**Scope and entry into force**

(1) These examination regulations come into force after approval by the Rector on October 1, 2021. They will be published in the Official Gazette of the Free Hanseatic City of Bremen. They apply to students commencing their studies in the Bachelor's degree program “Marine Geosciences” (full subject) for the first time from the winter semester 2021/22.

Appendixes:

Appendix 1: Study plan for the Bachelor's degree course in „Marine Geosciences“ (full subject)

Appendix 2: Modules and examination requirements

Appendix 3: Other forms of examination

**Appendix 1: Study plan for the Bachelor's degree program “Marine Geosciences” (full subject)**

The study plan is a recommendation for the course of study. Students can take modules in a different sequence.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Principles in Marine Geosciences, 54 CP** | | | | | **Principles in Mathematics and Science,**  **36 CP** | | | **Practical Professional Compe- tences in Geosciences, 24 CP** | | | **Bachelor Thesis, 12 CP** | **Specializa- tions, 54 CP** | **∑ 180**  **CP** |
| **Field Compe- tence,**  **6 CP** | **General Studies, 18 CP** | |
| **1. Sem.** | BMG-EE1-a,  Introduction to Earth Dy- namics,  6 CP | BMG-ME1,  From Atoms to Minerals – Mineralogy and Crystal- lography,  6 CP |  |  |  | BMG-CP1,  Chemical Principles of Geoscien- ces I,  6 CP | BMG- MP1,  Mathemat- ical Princi- ples of Geosci- ences I,  6 CP | BMG-PP1-a,  Physical Prin- ciples of Geo- sciences I,  6 CP |  |  |  |  |  | 30 |
| **2. Sem.** | BMG-EE2,  Evolution of | BMG-ME2,  Structural |  |  |  | BMG-CP2-a,  Chemical | BMG- MP2, | BMG-PP2-a,  Physical Prin- |  |  |  |  |  | 30 |
| Earth and | Geology and | Principles of | Mathemat- | ciples of Geo- |  |
| Life, 6 CP | Tectonics, | Geoscien- | ical Princi- | sciences II, 6 |  |
|  | 6 CP | ces II, | ples of | CP |  |
|  |  | 6 CP | Geosci- |  |  |
|  |  |  | ences II, |  |  |
|  |  |  | 6 CP |  |  |
| **3. Sem.** | BMG-EE3,  Physical, | BMG-ME3-a,  Marine Geo- | BMG-CP3,  Rock- | BMG-PP3-a,  Principles of | BMG- MP3, |  |  |  |  |  |  |  |  | 30 |
| Chemical | logy and | Forming | Applied Geo- | Multidis- |  |
| and Biologi- | Sedimentolo- | Proces- | physics, | ciplinary |  |
| cal Oceano- | gy, | ses, | 6 CP | Marine |  |
| graphy, | 6 CP | 6 CP |  | Sedi- |  |
| 6 CP |  |  |  | ment |  |
|  |  |  |  | Core |  |
|  |  |  |  | Project, |  |
|  |  |  |  | 6 CP |  |

CP: Credit Points, Sem.: Semester, inkl.: including

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Principles in Marine Geosciences, 54 CP** | | | | | **Principles in Mathematics and Science,**  **36 CP** | | | **Practical Professional Compe- tences in Geosciences, 24 CP** | | | **Bachelor Thesis, 12 CP** | **Specializa- tions, 54 CP** | **∑ 180**  **CP** |
| **Field Compe- tence,**  **6 CP** | **General Studies, 18 CP** | |
| **4. Sem.** |  |  |  |  |  |  |  |  | BMG-GF1,  Geoscien- tific Field Compe- tences,  6 CP | BMG-GS1,  Digital Com- petences,  6 CP |  |  | Je nach Schwerpunkt- wahl  3 Module  à 6 CP  aus Anlage 2.5 | 30 |
| **5. Sem.** |  |  |  |  |  |  |  |  |  | BMG-GS2,  Professional Compe- tences,  6 CP | BMG- GS3,  Interdisci- plinary Skills,  6 CP |  | Je nach Schwerpunkt- wahl  3 konsekutive  Module à 6 CP aus Anlage 2.5 | 30 |
| **6. Sem.** |  |  |  |  |  |  |  |  |  |  |  | BMG-BT1,  Module Bachelor Thesis (incl.  Colloquium), 12 CP | Je nach Schwerpunkt- wahl  3 konsekutive Module à 6 CP aus Anlage 2.5 | 30 |

CP: Credit Points, Sem.: Semester, inkl.: including

**Appendix 2: Modules and examination requirements**

**2.1: Bachelor Thesis, Compulsory Module, 12 CP**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-BT1 | Module Bachelor Thesis (in- cluding Colloquium) | P | 12 | MP |  | PL: 2  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

**2.2: Principles in Marine Geosciences, Compulsory Modules, 54 CP**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-EE1-a | Introduction to Earth Dynamics | P | 6 | TP | Introduction to Earth Dy- namics, 4 CP | PL: 1  SL: 0 |
| Introduction to Geoscien- tific Field Work, 2 CP | PL: 0  SL: 1 |
| BMG-EE2 | Evolution of Earth and Life | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-EE3 | Physical, Chemical and Bi- ological Oceanography | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-ME1 | From Atoms to Minerals – Mineralogy and Crystallo- graphy | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-ME2 | Structural Geology and Tectonics | P | 6 | KP |  | PL: 1  SL: 1 |
| BMG-ME3-a | Marine Geology and Sedi- mentology | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-CP3 | Rock-Forming Processes | P | 6 | TP | Petrology, 3 CP | PL: 1  SL: 0 |
| Polarized-Light Micros- copy, 3 CP | PL: 1  SL: 0 |
| BMG-PP3-a | Principles of Applied Geo- physics | P | 6 | TP | Fundamentals of Applied Geophysics, 3 CP | PL: 1  SL: 0 |
| Geophysical Field Exer- cise, 3 CP | PL: 1  SL: 0 |
| BMG-MP3 | Multidisciplinary Marine Sediment Core Project | P | 6 | KP |  | PL: 2  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

**2.3: Principles in Mathematics and Science, Compulsory Modules, 36 CP**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-CP1 | Chemical Principles of Ge- osciences I | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-CP2-a | Chemical Principles of Ge- osciences II | P | 6 | TP | Introduction to Geochemis- try, 4 CP | PL: 1  SL: 0 |
| Laboratory Practical, 2 CP | PL: 0  SL: 1 |
| BMG-PP1-a | Physical Principles of Ge- osciences I | P | 6 | TP | Physics for Natural Sci- ence I, 4 CP | PL: 1  SL: 1 |
| Physics of the Solid Earth I, 2 CP | PL: 1  SL: 0 |
| BMG-PP2-a | Physical Principles of Ge- osciences II | P | 6 | TP | Physics for Natural Sci- ence II, 4 CP | PL: 1  SL: 1 |
| Physics of the Solid Earth II, 2 CP | PL: 1  SL: 0 |
| BMG-MP1 | Mathematical Principles of Geosciences I | P | 6 | MP |  | PL: 1  SL: 0 |
| BMG-MP2 | Mathematical Principles of Geosciences II | P | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

**2.4: Practical Professional Competences in Geosciences, 24 CP**

2.4.1 Field Competences, 6 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-GF1 | Geoscientific Field Compe- tences | P | 6 | KP |  | PL: 2  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.4.2 General Studies, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG- GS1 | Digital Competences | P | 6 | MP |  | PL: 0  SL: 1 |
| BMG- GS2 | Professional Competences | P | 6 | MP |  | PL: 0  SL: 1 |
| BMG- GS3 | Interdisciplinary Skills | P | 6 | KP |  | PL: 0  SL: i.d.R. 3 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

**2.5: Specializations, Compulsory Elective Modules, total 54 P**

Three specializations, each with 18 CP, i.e. a total of 54 CP, must be completed in full; please note the regulations in § 2 paragraph 2 letter e.

2.5.1 Sedimentology, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-SE1 | Sedimentology of Coast and Shelf | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-SE2 | Deep-Sea Sedimentology | WP | 6 | KP |  | PL: 2  SL: 0 |
| BMG-SE3-a | Sedimentary Processes | WP | 6 | TP | Basic Concepts of Sedi- ment Dynamics, 3 CP | PL: 1  SL: 0 |
| Coastal Processes, 3 CP | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.2 Paleontology, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-PA1 | Introduction to Paleontology and Paleoecology | WP | 6 | TP | Introduction to Paleon- tology, 3 CP | PL: 1  SL: 0 |
| Introduction to Paleo- ecology, 3 CP | PL: 1  SL: 0 |
| BMG-PA2 | Marine Micropaleontology | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-PA3-a | Paleontological Methods | WP | 6 | TP | Laboratory Methods in Paleontology, 3 CP | PL: 1  SL: 0 |
| Quantitative Methods in Paleontology, 3 CP | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.3 Geochemistry, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-GC1 | Geochemical Processes and Cycles, Isotope Geochemistry | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-GC2-a | Principles and Methods of Organic Geochemistry | WP | 6 | TP | Basics of Organic Ge- ochemistry, 2 CP | PL: 1  SL: 0 |
| Lab Course in Organic Geochemistry, 4 CP | PL: 1  SL: 0 |
| BMG-GC3 | Applied Geochemistry | WP | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.4 Geoinformatics, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-GI1 | Research Data Management and Analysis | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-GI2 | Data Visualization | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-GI3 | Earth-System Modeling and Data Analysis | WP | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.5 Paleoceanography, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BMG-PO1 | Paleoceanography and Environ- mental Change | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-PO2 | Paleoceanography – Core Lab or Field Studies | WP | 6 | MP |  | PL: 1  SL: 0 |
| BMG-PO3 | From Past to Future Ocean Conditions | WP | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.6 Exploration Geophysics, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BGW-EG1 | Marine Geophysics | WP | 6 | KP |  | PL: 2  SL: 0 |
| BGW-EG2 | Material Properties and Structural Imaging | WP | 6 | MP |  | PL: 1  SL: 0 |
| BGW-EG3-a | Non-Seismic Exploration | WP | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.7 Geodynamics, 18 CP

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, englisch | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BGW-GD1 | Geodynamic and Plate Tectonic Principles | WP | 6 | MP |  | PL: 1  SL: 0 |
| BGW-GD2-a | Seismology and Earth’s Potential Fields | WP | 6 | KP |  | PL: 2  SL: 0 |
| BGW-GD3 | Geodynamic Modeling | WP | 6 | KP |  | PL: 2  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.8 Hydro- und Ingenieurgeologie (Hydrogeology and Engineering Geology), 18 CP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, deutsch | Modultitel, englische Übersetzung | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BGW- HI1 | Grundlagen der Hydro- und Ingeni- eurgeologie | Principles of Hydro- and Engineering Geology | WP | 6 | KP |  | PL: 3  SL: 1 |
| BGW- HI2-a | Methoden der Hydro- und Ingenieurgeologie | Methods of Hydro- and Engineering Geology | WP | 6 | TP | Altlasten, 3 CP | PL: 1  SL: 0 |
| Hydrogeologische Praxis, 3 CP | PL: 1  SL: 0 |
| BGW- HI3-a | Regionale und angewandte Hydrogeologie | Regional and Applied Hydrogeo- logy | WP | 6 | TP | Hydrogeologische Prozesse, 3 CP | PL: 1  SL: 0 |
| Regionale Hydro- geologie, 3 CP | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.9 Kristalline Materialien (Crystalline Materials), 18 CP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, deutsch | Modultitel, englische Übersetzung | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BGW- KM1 | Kristalline Materia- lien verstehen | Understanding Crys- talline Materials | WP | 6 | MP |  | PL: 1  SL: 0 |
| BGW- KM2 | Kristalline Materia- lien untersuchen | Investigating Crystal- line Materials | WP | 6 | MP |  | PL: 1  SL: 0 |
| BGW- KM3 | Kristalline Materia- lien verarbeiten | Processing Crystal- line Materials | WP | 6 | MP |  | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

2.5.10 Petrologie und Lagerstättenkunde (Petrology and Reservoir Deposits), 18 CP

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| K.-Ziffer | Modultitel, deutsch | Modultitel, engli- sche Übersetzung | Modultyp P/WP/W | CP | MP/TP/KP | Aufteilung der CP bei TP | PL/SL  (Anzahl) |
| BGW- PL1-a | Petrologie und Vulkanologie | Petrology and Vol- canology | WP | 6 | TP | Vulkanologie, 2 CP | PL: 1  SL: 0 |
| Thermodynamik und Phasenlehre, 2 CP | PL: 1  SL: 0 |
| Petrographische Übungen, 2 CP | PL: 1  SL: 0 |
| BGW- PL2 | Geochemie und Metamorphose | Geochemistry and Metamorphism | WP | 6 | MP |  | PL: 1  SL: 0 |
| BGW- PL3-a | Magmatische Sys- teme und Lager- stätten | Magmatic Systems and Reservoir Deposits | WP | 6 | TP | Magmatische Petro- logie, 3 CP | PL: 1  SL: 0 |
| Bildung minerali- scher und metalli-  scher Lagerstätten, 3 CP | PL: 1  SL: 0 |

K.-Ziffer: code number; P: compulsory module, WP: compulsory elective module, W: elective module; CP: Credit Points; MP: module examination, TP: partial examination, KP: combination exam; PL: examination achievement (= graded), SL: study achievement (= not graded)

**Appendix 3: Further forms of examination**

a) Portfolio in the form of the completion of exercises: written completion of several exercises issued during the course. At least 50% of the exercises must be passed in order to pass the examination. The performance is summarized and graded according to § 8 paragraph 8 AT BPO.

b) Excursion report: detailed written report on one or parts of a field exercise or excursion. A submission deadline must be set. An excursion report can be prepared as group work.