

**Examination Regulations (Rules)
of the Faculty of Mathematics and Natural Sciences
at Christian-Albrechts-Universität zu Kiel (CAU)
for students of Geosciences leading to a
Bachelor of Science Degree (B.Sc.) in “Geosciences” and a
Master of Science Degree (M.Sc.) in “Geosciences” and a
Master of Science Degree (M.Sc.) in “Marine Geosciences” - 2017
(Geosciences Examination Regulations (single subject) - 2017)
of 27 July 2017**

Extract: Master of Science in Marine Geosciences

Published on 28 September 2017 (Bulletin of the Ministry of Science, Economic Affairs and Transport of the Land Schleswig-Holstein (NBI. HS MBWK Schl.-H., p. 71), amended by statute of 19 July 2018, published on 28 September 2018 (NBI. HS MBWK Schl.-H., p. 55), cancelled by statute of 21 November 2018, published on 11 July 2019 (NBI. HS MBWK Schl.-H. p. 35)

Based on Section 52 (1) Sentence 1 of the Schleswig-Holstein Higher Education Act (HSG) of 5 February 2016 (GVOBl. Schleswig-Holstein, page 39), after a resolution was passed by the Convention of the Faculty of Mathematics and Natural Sciences of 18 January 2017, 17 May 2017 and 5 July 2017 the following Rules were issued:

Table of contents:

I. General Examination Provisions

- § 1 Scope of application
- § 2 Academic year
- § 3 Teaching and examination language
- § 4 Module examinations and module grades
- § 5 – *deleted* -
- § 6 Further prerequisites for admission to examinations
- § 7 – *deleted* -
- § 8 Bachelor’s and Master’s thesis
- § 9 Restriction of admission to compulsory or optional courses

II. Special Examination Provisions for the Bachelor’s Degree Programme
[...]

III. Special Examination Provisions for the Master’s Degree Programme

- § 15 Objective of the degree programme
- § 16 Structure of curriculum
- § 17 Admission to the Master’s degree programme
- § 18 Academic title
- § 19 Master’s thesis
- § 20 Calculation of the final grade

IV. Transitional and Final Provisions

- § 21 Transitional provisions
- § 22 Entry into force

I. General Examination Provisions

§ 1

Scope of application

- (1) These Examination Regulations in conjunction with the Examination Procedure Regulations (Rules) of Kiel University for students of Bachelor's and Master's Degree Programmes (PVO) apply to the teaching and assessment of the Bachelor's subject "Geosciences" and the Master's degree programmes "Geosciences" and "Marine Geosciences" at Kiel University.
- (2) They apply to
 1. all modules which are exclusively part of the degree programmes regulated by these Examination Regulations,
 2. all modules which are part of the degree programmes regulated by these Examination Regulations, and which are simultaneously exported to other degree programmes;
 3. all modules which are exclusively part of other degree programmes as exported modules.
- (3) When not stated otherwise in these Examination Regulations, admission to modules offered by other faculties or other institutes of the same faculty and the respective module examinations are subject to the examination regulations of the respective faculties or institutes.

§ 2

Academic year

The academic year applies to the courses in these Examination Regulations. Courses for both new students and returning students from odd-numbered semesters are only offered in a winter semester.

Registrations during odd-numbered semesters are only possible for a winter semester. Registrations during even-numbered semesters are only possible for a summer semester. Registrations for new students and during odd-numbered semesters are also possible for a summer semester in the Geosciences Master's degree programme.

§ 3

Teaching and examination language

- (1) Lectures for both the Bachelor's and Master's "Geosciences" degree programmes will usually be held in German. Modules can also be offered in English.
- (2) All compulsory, optional and specialised modules for the Master's degree programme in "**Marine Geosciences**" will only be offered in English.
- (3) Examinations will always be held in the same language as lectures.

§ 4

Module examinations and module grades

- (1) The type and number of module examinations required as part of the modules can be found in the Annex.
- (2) The duration of a written examination must be at least 30 minutes and no longer than 2 hours. An oral examination shall last at least 15 and no more than 30 minutes.
- (3) If a module examination consists of several examinations, the module grade will be calculated using the arithmetic average of the grades for individual examinations or in accordance with the weighting of the individual examinations indicated in the Annex.
- (4) Written module examinations will be assessed within two weeks after the end of the winter semester lecture period and within six weeks after the end of the summer semester lecture period.

§ 5

- deleted -

§ 6

Further prerequisites for admission to examinations

If a module contains seminars, practical exercises or field trips, admission to the examination assumes regular participation in these courses. A maximum of one course date may be missed without giving reasons for the non-attendance. If students are absent from additional course dates due to illness (hereby a maximum of 5, however), these can be replaced by a written draft or an oral colloquium.

The further prerequisites for admission to module examinations can be found in the Annex.

§ 7

- deleted -

§ 8

Bachelor's and Master's thesis

- (1) When applying for admission to the Bachelor's or Master's thesis, the candidate may propose supervisors and a topic for the thesis, without this giving rise to any claim for the proposal to be considered.
- (2) In exceptional cases and with the consent of the Examination Board the Bachelor's or Master's thesis may be prepared at an institution outside the University, provided that appropriate supervision of the candidate is available there. Supervision may also be provided by people working at the supervising facility, who are qualified in accordance with the Examination Procedure Regulations for Bachelor's and Master's degree programmes. In cases of doubt the Examination Board will decide.
- (3) The Bachelor's or Master's thesis may be produced in English.
- (4) The Bachelor's or Master's thesis shall be accompanied by an abstract, written in both English and German.
- (5) The Bachelor's or Master's thesis is to be submitted to the responsible Examination Office in the form of two hard copies and additionally one copy in a form suitable for electronic data processing.
- (6) The Bachelor's or Master's thesis will be assessed within six weeks of submission in the form of two written reports by the examiners.

§ 9

Restriction of admission to compulsory or optional courses

- (1) The number of places available for the individual compulsory or optional courses is determined by the Faculty Convention at the request of the Geosciences Section. If more students initially register for the practicals, seminars or practical exercises than there are places available, the Examination Board determines whether the remaining students can be accommodated through other or additional courses.
- (2) If it is not possible to accommodate the remaining students, the person responsible for the course will select the students among those who are registered for degree programmes in which the courses are envisaged as part of the curriculum, who have registered in due time before the deadline set by the responsible person and who satisfy the conditions for participation. The selection will be based on the following criteria:
 - a. The first entitlement goes to students for whom attendance at this concrete course is essential for them to correctly complete their studies as part of the curriculum, and who, in the previous semester, were set back by one semester due to capacities.
 - b. The second entitlement goes to students who are currently in the semester for which the course is envisaged according to the curriculum, and to students who did not obtain the necessary certificate in the previous semester and therefore would have to retake

the course in accordance with these Examination Regulations. Within this entitlement, the first group is entitled to 90% of the places and the second group to 10%.

- c. The third entitlement goes to students who are not currently in the semester for which the course is envisaged according to the curriculum and who must firstly register for the course at issue, and to students who already received a place on the course at issue in a previous semester but had to give it up with valid reasons in accordance with Section 52 (4) of the Schleswig-Holstein Higher Education Act, or for a comparable reason.
- d. The fourth entitlement goes to students who already received a place on the course at issue in a previous semester and who did not attend the course, without evidence of a valid reason.

In the case of equal entitlement, the student with fewer semesters will be selected. If the number of semesters is the same, students will be selected by drawing lots. In cases of hardship the Examination Board shall decide.

II. Special Examination Provisions for the Bachelor's Degree Programme

[...]

III. Special Examination Provisions for the Master's Degree Programmes

§ 15

Objective of the degree programmes

In the research-oriented Master's degree programmes which are the subject of these Regulations, students are provided with advanced knowledge in the selected subject areas as well as the skills required for independently carrying out project work and presenting the results. The Master's degree is regarded as proof that graduates are capable of performing independent, scientific work in their subject area. They are also accordingly qualified for professional careers. The degree also serves to qualify for a doctoral degree programme.

§ 16

Structure of curriculum

The standard period of study for the Master's degree programme is four semesters. The degree programme encompasses approximately 100 weekly 45-minute teaching units for the duration of one semester of about 12 weeks (Semesterwochenstunden – SWS) and 120 ECTS credits, including 30 ECTS credits for the Master's thesis.

The number of SWS may deviate slightly from this, depending on the optional modules and the minor subject chosen.

§ 17

Admission to the Master's degree programme

- (1) Anyone who has completed a Bachelor's degree programme (B.Sc.) in either Geosciences, Geology, Mineralogy, Geophysics or a related subject after a standard period of study of at least three years at a German or comparable foreign institution of higher education will be admitted to the Master's degree programme. The candidate must have obtained at least 180 ECTS credits or passed a comparable final examination with a final grade of 2.5 or higher.

The following additional selection criteria are to be considered:

- the scope and specialised orientation of prior knowledge, to be proven by the grades from successfully completed teaching units;
- personal reasons for selecting the subject of study.

- (2) Applicants with a university degree in a related subject can be admitted without satisfying

further conditions, if they have obtained at least a total of 50 ECTS credits in modules from the subjects of Geosciences, Mineralogy and Geophysics. The content of these modules must meet the entry requirements for the Master's degree programme. If the applicant has obtained fewer than 50 ECTS credits but at least 40 ECTS credits in modules from the subjects listed above, then admission is possible under the condition that the student catches up with the required ECTS credits as part of the optional studies. The Examination Board will decide whether the admission requirements are met.

- (3) In addition, the applicant must provide evidence of English language skills for admission to the "Marine Geosciences" Master's degree programme. More details can be found in the study qualification rules (Studienqualifikationssatzung).

§ 18 Academic title

The student is awarded the degree of Master of Science (M.Sc.) if he or she has obtained at least a final grade of 'sufficient'.

§ 19 Master's thesis

- (1) Any candidate who has obtained at least 60 ECTS credits from module examinations in compulsory and optional modules may be admitted to the Master's thesis.
- (2) The period from when the topic is issued until the Master's thesis is submitted is six months. This deadline may be extended upon application, but not by more than two months, in accordance with the PVO for Bachelor's and Master's degree programmes.
- (3) The topic of the Master's thesis may be handed back only once and only within the first six weeks.
- (4) The grade for the Master's thesis is calculated as follows: 80% comes from the grade for the written thesis and 20% comes from the grade for the oral presentation of its content.

§ 20 Calculation of the final grade

The module grades and the grade for the Master's thesis are used to calculate the final grade. When calculating the final grade, the module grades are weighted according to the allocated number of ECTS credits. The grade for the Master's thesis is incorporated in the final grade with double the number of ECTS credits.

IV. Transitional and Final Provisions

§ 21 Transitional provisions

- (1) These Examination Regulations shall firstly apply to students enrolling in the 2007/2008 winter semester.
- (2) Students registered for a Diplom degree programme in Geology, Mineralogy or Geophysics at the date on which these Regulations enter into force can be transferred until 30 September 2009 to the Bachelor's degree programme in Geosciences and sit the examinations in accordance with these Regulations, if:
 1. they have completed the intermediate diploma at this university, or have passed other examinations whose resulting grades can be incorporated into the calculation of the Bachelor's grade, and
 2. they have applied to change degree programmes.

In cases of doubt or hardship the Examination Board shall decide.

**§ 22
Entry into force**

These Examination Regulations enter into force on the day after the date they are published.

The University Board at Kiel University granted its approval in accordance with Article 1 § 52 (1) Clause 1 in conjunction with Article 2 § 1 (4) of the Schleswig-Holstein Higher Education Act in its letter dated 28 November 2007.

Kiel, 29 November 2007

Dean of the
Faculty of Mathematics and Natural Sciences
Kiel University
Prof. Dr Jürgen Grotemeyer

Studyplan Master of Science „Marine Geosciences“

The names of the modules contributing to the final Master grade are shown in **bold** letters

| | Module | Module Name Courses | TF | SWS | Pre-requisite | PL# | LP | |
|-----------------------|-----------------------------|---|-------------|----------------|---------------|-------------------|-----------|------------|
| | | | | | | | Se m. | Year |
| 1. Semester | MNF-mgeo-MP1 | Evolution of Biosphere and Climate <i>Climate Reconstruction through Earth's History</i> <i>Basic Concepts of Paleontology</i> | L L | 2 2 | | WE (100) | 4 | |
| | MNF-mgeo-MP2 | Coastal Geology I <i>Coastal Processes</i> <i>Coastal related Depositional Systems</i> | L L | 2 2 | | WE (80) | 4 | |
| | MNF-mgeo-MP3 | Basin Analysis <i>Sequence Stratigraphy and Facies Analysis</i> | L | 2 | | | 2 | |
| | MNF-mgeo-MP4 | Biogeochemistry <i>Marine Biogeochemistry</i> <i>Modelling in Marine Biogeochemistry</i> | L E | 2 2 | | WE (100) | 5 | |
| | MNF-mgeo-MP5 | Petrology/Geochemistry <i>Magmatic Processes and Plate Tectonics</i> <i>Petrology-Geochemistry Seminar</i> | L S | 1 2 | | OE (10) P (40) | 3 | |
| | MNF-mgeo-MR | Marine Ressources <i>Hydrothermal Systems and Ore Deposits</i> <i>Hydrothermal Systems and Ore Deposits</i> | L E | 2 1 | | WE (100) | 3 | |
| | MNF-mgeo-CP | Chemical Paleoceanography <i>Chemical Paleoceanography</i> | L | 2 | | WE (60) | 2 | |
| | MNF-mgeo-MGS | Marine Geosystems <i>Marine Isotope Systems</i> | L | 2 | | WE (50) | 2 | |
| | MNF-mgeo-CLIM | Introduction to Climate Sciences <i>Introduction to Climate Sciences</i> <i>Exercise Introduction to Climate Sciences</i> | L E | 2 1 | | WE (80) R (20) | 5 | |
| Summe Semester | | | | | | | 30 | |
| 2. Semester | MNF-mgeo-MPCL | Field Exercises <i>Field Exercises Marine Geosciences</i> | F | 3 days | | R (40) | 1 | |
| | MNF-mgeo-MP2 | Coastal Geology I <i>Field Work in Coastal Geology</i> | E | 3 days | | R (20) | 1 | |
| | MNF-mgeo-MP3 | Basin Analysis <i>Petroleum Geology</i> | L | 2 | | OE (100) | 3 | |
| | MNF-mgeo-MP5 | Petrology/Geochemistry <i>Isotope Geochemistry and Geochronology</i> <i>Isotope Geochemistry and Geochronology</i> | L E | 1 1 | | WE (50) | 2 | |
| | MNFgeop-AGP7 | Geophysics <i>Marine Geophysics</i> <i>Marine Geophysics</i> | L E | 2 2 | | R (100) | 6 | |
| | MNF-mgeo-MTS | Measuring techniques in shallow water (cruise) <i>Introduction and theory, lectures</i> <i>Cruise with R/V Alkor/Littorina</i> <i>Study Project</i> | L E E | 1 2 2 | | R (100) | 5 | |
| | MNF-mgeo-CP | Chemical Paleoceanography <i>Trace Metals in Sea Water</i> | S | 2 | | P (40) | 2 | |
| | MNF-mgeo-MGS | Marine Geosystems <i>Marine Geosystems</i> | S | 2 | | P (50) | 2 | |
| | MNF-mgeo-SM | Submarine Mapping <i>Submarine Mapping Techniques</i> <i>Submarine Mapping Exercises</i> | L E | 2 2 | | R (100) | 5 | |
| | MNF-klim-101b | Introduction to Oceanography | L | 3 | | WE(100) | 5 | |
| | Summ Semester / Year | | | | | | | 32 |
| 3. Semester | MNF-mgeo-CG II | Coastal Geology II <i>Coastal Geology and Coastal Protection</i> <i>Sea-level Change</i> | S L | 2 1 | | WE (60) R (40) | 3 | |
| | MNF-mgeo-MPCL | Marine Paleoclimate <i>Ocean-Continent-Atmosphere Interactions</i> <i>The Oceans Role in Climate</i> <i>Quantitative Proxies</i> | L L E | 2 1 1 | | P R (60) | 4 | |
| | MNF-mgeo-MMG | Modelling in Marine Geosciences <i>Modelling of Biogeochemical Systems</i> <i>Climate Modelling</i> | E E | 2 2 | | R (100) | 6 | |
| | MNF-mgeo-WP | Project Work Marine Geosciences <i>Research Seminar Marine Geosciences</i> <i>Work Project Marine Geosciences</i> | S WP | 1 4-6 weeks | | OE (100) # | 10 | |
| | Free Choice | Additional modules from : Coastal Zone Management, Law of the Sea, Biological Oceanography, Economics etc. these Modules will be provided by the „Integrated School of Ocean Sciences (ISOS)“ | | | | | 5 | |
| Summe Semester | | | | | | | 28 | |
| 4. Semester | MNF-mgeo-MT | Master Thesis | S | 1 | | | 30 | |
| | Summ Semester / Year | | | | | | | 30 |
| Summe | | | | | | | 30 | 120 |

#: Passing the report is required to take part in the oral examination.

Erläuterungen:

Modul-Nr.: Titel des Moduls in Form der Modulnummer
 Modulbezeichnung: Name des Moduls
 LF: Lehrform, Art der Lehrveranstaltung
 SWS: L: Lecture, E: Exercise, WP: Workproject, S: Seminar, F: Field Trip
 Semesterwochenstunden der LF
 PL: Prüfungsleistung
 WE: Written Examination, OE: Oral Examination, P: Presentation, R: Report
 LP: Leistungspunkte