

**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 “Applied Geosciences - Georessources,  
Geoenergies, Geotechnologies” and a  
Master of Science Degree (M.Sc.) in “Marine Geosciences” - 2019  
(Geosciences Examination Regulations (single subject) - 2019)  
of 21 November 2018**

**Extract: Master of Science in Marine Geosciences**

Published on 11 July 2019 (NBl. HS MBWK Schl.-H. p 35), amended by statute of 22 February 2019, published on 11 April 2019 (NBl. HS MBWK Schl.-H. p 15), amended by statute of 13 June 2019, published on 11 July 2019 (NBl. HS MBWK Schl.-H. p 37), amended by statute of 12 July 2019, published on 26 September 2019 (NBl. HS MBWK Schl.-H. p 47), cancelled by statute of 14 February 2020, published on 8 April 2020 (NBl. HS MBWK Schl.-H. p. 13)  
[Non-official publication]

Based on Section 52 (1) Sentence 1 of the Schleswig-Holstein Higher Education Act (HSG) of 5 February 2016 (GVOBl. Schleswig-Holstein, page 39), most recently amended by statute of 10 February 2018 (GVOBl. Schl.-H. p 68), after a resolution was passed by the Convention of the Faculty of Mathematics and Natural Sciences of 24 October 2018 the following Rules were issued:

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## **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 "Applied Geosciences – Georessources, Geoenergies, Geotechnologies" and "Marine Geosciences" at Kiel University.
- (2) For 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. Contrary to Sentence 1, new students may also register for the Master's degree programme in Applied Geosciences - Georessources, Geoenergies, Geotechnologies in the summer semester for odd-numbered semesters. We recommend that new students register to start the degree programme in the winter semester because otherwise it may not be possible to complete the studies as per the curriculum and qualification within the standard period of study cannot be guaranteed.

### **§ 3**

#### **Teaching and examination language**

- (1) Lectures for both the Bachelor's "Geosciences" and Master's "Applied Geosciences – Georessources, Geoenergies, Geotechnologies" degree programmes will be held in German or in English.
- (2) All compulsory, optional and specialised modules for the Master's degree programme in "Marine Geosciences" are only offered and examined in English.
- (3) Examinations are held in German in the German-spoken Bachelor's and Master's degree programmes. Students can apply to take examinations in English.

### **§ 4**

#### **Module examinations and module grades, Admission to exercises and courses**

- (1) The type and number of module examinations required as part of the modules can be found in the Annex.
- (2) 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.
- (3) Participation in an exercise can be linked to passing a theoretical part which took place beforehand in the same module. Details will be published in a suitable manner at the start of the semester.

## **§ 5**

### **Further prerequisites for admission to examinations**

- (1) If a module contains field trips, lab courses and practical exercises, admission to the examination assumes regular attendance at these courses. The following applies for these courses: a maximum of one lecture or event may be missed without giving reasons for the non-attendance for a course which takes place weekly throughout the entire lecture period. If a student misses more dates - but not more than a total of 40% of all course dates - due to illness or other good reasons, the authorised examining teacher responsible for the course may authorise the student to make up for the parts missed by delivering an equivalent achievement, as long as this type of course permits it. However, students do not have the right to demand this.
- (2) In addition to this, regular attendance is required for the lectures listed here:
  - a. Regular attendance is necessary for the seminars in the Bachelor's degree programme in Geosciences, in the modules MNF-geow-B502, MNF-geow-BWP04 and MNF-geow-BWP08, because the students use scientific sources to prepare and hold oral presentations, followed by a scientific discussion of the contents together with the remaining participants and the lecturer. These events are not only designed for the lecturers to pass on specialist scientific knowledge, instead the main goal is for the students to develop analytical skills, apply presentation techniques and to improve their discussion skills.
  - b. Regular attendance is necessary for the field trips in the Bachelor's degree programme in Geosciences, in the modules MNF-geow-B203, MNF-geow-B406, MNF-geow-BWP02 and MNF-geow-BWP08, because the learning objectives in terms of content and methodology can only be conveyed when the students and the lecturers are together in a particular location.
  - c. Regular attendance is necessary for the seminars in the M.Sc. degree programme in Applied Geosciences - Georesources, Geoenergies, Geotechnologies, in the modules angeoMaPF303-01a, angeoMaWP004-01a, angeoMaWP005-01a, angeoMaWP008-01a, angeoMaWP009-01a and angeoMaWP010-01a, because the students use scientific sources to prepare and hold oral presentations, followed by a scientific discussion of the contents together with the remaining participants and the lecturer. These events are not only designed for the lecturers to pass on specialist scientific knowledge, instead the main goal is for the students to develop analytical skills, apply presentation techniques and to improve their discussion skills.
  - d. Regular attendance is necessary for the seminars in the M.Sc. degree programme in Marine Geosciences, in the modules mageoMaCCG-01a, mageoMaCMT-01a, mageoMaCPB-01a, mageoMaCSus-01a, mageoMaCECG2-01a, mageoMaCECT-01a, mageoMaCEMIG-01a and mageoMaCPBG-01a, because the students use scientific sources to prepare and hold oral presentations, followed by a scientific discussion of the contents together with the remaining participants and the lecturer. These events are not only designed for the lecturers to pass on specialist scientific knowledge, instead the main goal is for the students to develop analytical skills, apply presentation techniques and to improve their discussion skills.
  - e. Regular attendance is necessary for the field trips in the Master's degree programme in Marine Geosciences, in the modules mageoMaCCG-01a, mageoMaCMT-01a, mageoMaCFEM-01a, mageoMaCFEP-01a, mageoMaCPB-01a, mageoMaCMPE-01a, mageoMaCEAP-01a, mageoMaCECG2-01a, mageoMaCESM2-01a and mageoMaCEPBG-01a, because the learning objectives in terms of content and methodology can only be conveyed when the students and the lecturers are together in a particular location.
- (3) The requirements for admission to the examinations for the imported subjects are contained in the degree-specific examination regulations of the department offering the course.
- (4) In addition, examination prerequisites can be demanded for all examinations as a requirement for admission. Examination prerequisites can take the form of successfully processing exercise tasks or homework, successfully presenting the processed exercise

tasks or homework on the board or using other media, oral presentations, oral presentations with written reports, chairing an oral presentation, correcting while present, successful written certificates, participation in mock exams, successful written reports, protocols or joint reading. The lecturer specifies an appropriate selection from these options as the actual examination prerequisites to be completed for admission to the examination and announces them and any other details in a suitable manner at the start of the course.

- (5) The further prerequisites for admission to examinations can be found in the annex.

## **§ 6**

### **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 in the Bachelor's degree Programme "Geoscience" and in the Master's degree programme "Applied Geoscience – Georessources, Geoenergies, Geotechnologies" may be produced in English. The Master's thesis of the Master's degree programme "Marine Geoscience" must be produced in English. The Bachelor's or Master's thesis must be accompanied by an abstract, written in both English and German.
- (4) 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. The medium remains in the Examination Office.
- (5) 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.

## **§ 7**

### **Restriction of admission to compulsory or optional courses**

- (1) If more students initially register for the compulsory or compulsory elective courses 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.

## **§ 8**

### **Examination Board**

- (1) The B.Sc. Geosciences, M.Sc. Applied Geosciences - Georesources, Geoenergies, Geotechnologies and M.Sc. Marine Geosciences each receive independent Examination Boards.
- (2) The members of the Examination Board can pass on the tasks of the Board to the elected chairperson and his/her deputies in all normal cases.
- (3) The members of the Examination Board elect a chairperson and a deputy chairperson from among their number. Contrary to the provisions of the Examination Procedure Regulations (PVO), members from the scientific staff group can also be selected in addition to members from the university lecturers' group, as long as they are qualified to teach at professorial level, work as private lecturers or are appointed as assistant professors in the Department of Geosciences at Kiel University.
- (4) The Examination Board for the M.Sc. in Applied Geosciences - Georesources, Geoenergies, Geotechnologies makes decisions in particular on the following, in addition to the tasks allocated through the Examination Procedure Regulations:
  - a. Adding and removing modules to or from the non-exhaustive lists for compulsory elective section 1 (WP I) and 2 (WP II) (see annex).
  - b. The admission of a module from the range offered at Kiel University, exclusive offers from the Geosciences and Marine Geosciences Sections, in compulsory elective section 3 (WP III) upon request by a student.
  - c. The relationship or comparability of a B.Sc. degree to a qualification in Geosciences.

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

[...]

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

### **§ 14**

#### **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.

### **§ 15**

#### **Structure of curriculum**

- (1) The following applies for the M.Sc. Marine Geosciences:

- a) The standard period of study for the Master's degree programme in Marine Geosciences is four semesters. The degree programme covers 67 to 77 weekly 45-minute teaching units for the duration of one semester of about 12 weeks (Semesterwochenstunden - SWS, depending on choices made), plus three field trip days and four to six weeks of project work. This results in a total of 120 ECTS credit points, of which 30 ECTS are for the Master's thesis (paper and defence).
  - b) 40 ECTS must be completed in the compulsory section 'foundations' (1st and 2nd semester).
  - c) 25 ECTS must be completed in the compulsory elective section 'practical training' (field trips, ship and lab practicals and seminars, 2nd-3rd semester).
  - d) Modules worth 15 ECTS must be completed in the 'compulsory elective' section and modules worth 10 ECTS must be completed in the university-wide choice.
  - e) The thesis encompasses 30 ECTS (paper and defence).
- (2) The standard period of study for the M.Sc. degree programme in Applied Geosciences - Georesources, Geoenergies, Geotechnologies is four semesters and covers the following contents, in accordance with the programme schedule:
- a) Students must complete compulsory modules totalling 45 ECTS credit points.
  - b) Students must acquire a total of 40 ECTS in the sections 'compulsory elective section 1' (WP I) and 'compulsory elective section 2' (WP II), of which at least 15 ECTS must be from WP I and 15 ECTS from WP II.
  - c) Modules worth 5 ECTS must be completed in 'compulsory elective section 3' (WP III).
- (3) A final thesis (Master's thesis and presentation) worth 30 ECTS.

## **§ 16**

### **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.
- (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. The content of these modules must meet the entry requirements for the Master's degree programme. If the student has gained fewer than 50 ECTS, the responsible Examination Board may permit admission subject to the condition that the missing ECTS are caught up. The Examination Board will decide whether the admission requirements in accordance with (1) are met.
- (3) In addition, the applicant must provide evidence of English language skills for admission to the Master's degree programme in Marine Geosciences. More details can be found in the study qualification rules (Studienqualifikationssatzung). Applicants for the Master's degree programme in Marine Geosciences must have successfully completed the aptitude assessment procedure. The aptitude assessment procedure involves submitting a written application, in English, within the application period specified by the degree programme. The applicant must submit a full application, including all necessary evidence of achievements, a CV and a motivational letter. The technical subject requirements, language skills and motivation to study are assessed. After the documents have been examined, applicants who seem suitable will be discussed by the Examination Board to see whether they are sufficiently apt. The Examination Board decides as a full board regarding the suitability of the applicants on the basis of the written application. An

applicant must be assessed as suitable with at least 2/3 of the votes.

**§ 17  
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'.

**§ 18  
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 half of the preparation period, 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 in the Master's degree programme "Marine Geoscience" is calculated as follows: 70% comes from the grade for the written thesis and 30% comes from the grade for the oral presentation of its content.

**§ 19  
Calculation of the final grade**

- (1) The overall grade in the Master's degree programme in Marine Geosciences is made up of 50% from the section grades for "Foundations", "Practical Training" and "Compulsory Elective" weighted according to ECTS credit points, and 50% from the grade for the Master's thesis & -defence (mageoMaCMTh-01a). The university-wide choice section is not taken into account.
- (2) The following applies for calculating the overall grade in the Master's degree programme in Applied Geosciences:

The overall grade is calculated using the grades for the compulsory modules weighted according to ECTS credit points, the section grades for WP I and WP II, each weighted according to the completed and graded ECTS credit points, and the double-weighted grade for the Master's thesis. The WP III section is not taken into account.

The section grades from WP I and WP II are calculated from the arithmetic average of the graded modules.

Students who have acquired more than the required number of ECTS credit points in these compulsory elective sections are to provide the Examination Office with written notification of the modules to be considered for calculating the section grade, at the latest upon submission of the Master's thesis. This notification must be signed by the student.

If a student does not notify the Examination Office of the modules to be considered for calculating the overall grade, or fails to do so in good time, the modules with the best grades will be used for the calculation.

**IV. Transitional and Final Provisions**

**§ 20  
Entry into force, expiry and transitional provisions**

- (1) These rules enter into force on 1 October 2019. At the same time, the Examination Regulations (Rules) of the Faculty of Mathematics and Natural Sciences at Kiel University 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” of 27 July 2017 (NBl. HS MBWK Schl.-H. 2017, p. 71), amended by the Rules of 19 July 2018 (NBl. HS MBWK Schl.-H. p. 55) cease to be in force. These Examination Regulations shall firstly apply to students enrolling in the 2019/2020 winter semester.

- (2) Students who are registered for the Master of Science (M.Sc.) degree programme in Geosciences at the time when these Rules enter into force will continue their studies according to the degree-specific examination regulations which expired in accordance with Paragraph 1 (2). They can apply to change to the new degree-specific examination regulations. Students of the Master’s degree programme in Geosciences who have not yet completed their degrees in the winter semester 2021/22 will finish their studies according to the new degree-specific examination regulations, unless they have already gained all 90 ECTS credit points excluding the Master’s thesis by the end of the summer semester 2021. These students will finish their studies according to the degree-specific examination regulations which expired in accordance with Paragraph 1 (2).
- (3) Students who are registered for the Master of Science (M.Sc.) degree programme in Marine Geosciences at the time when these Rules enter into force will continue their studies according to the degree-specific examination regulations which expired in accordance with Paragraph 1 (2). They can apply to change to the new degree-specific examination regulations. Students of the Master’s degree programme in Marine Geosciences who have not yet completed their degrees in the winter semester 2021/22 will finish their studies according to the new degree-specific examination regulations.
- (4) If modules are offered in a different form, these must be completed under the new version. If compulsory modules from the degree-specific examination regulations in accordance with Paragraph 2 are no longer offered, the Examination Board will name replacement modules.
- (5) If a student has completed and passed independent parts of a module examination, these will be recognised. The Examination Board determines which additional examinations are necessary to complete the module, under consideration of the module’s learning targets and the purpose of the examination.
- (6) Examinations failed before these Examination Regulations entered into force will be set off against the number of attempts in accordance with the new Examination Regulations, provided the structure of the new module examinations permits recognition.
- (7) The Examination Board decides regarding special cases of hardship for which the student is not responsible.

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, 21 November 2018

Prof. Dr. Frank Kemken  
Dean of the Faculty of Mathematics and Natural Sciences  
Kiel University

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**Article 2 of the ammended Examination Regulations of 22 February 2019:**

These Examination Regulations enter into force on 1 October 2019.

**Article 2 of the ammended Examination Regulations of 13. Juni 2019:**

These Examination Regulations enter into force on 1 October 2019.

**Article 2 of the ammended Examination Regulations of 12. Juli 2019:**

These Examination Regulations enter into force on 1 October 2019.



## Studyplan Master of Science „Marine Geosciences“

	Modulcode	Modulbezeichnung	LF	SWS	Status	PL	LP	
							Sem.	Jahr
1. Semester	mageoMaCCG-01a	Coastal Geology	L PE S	2 2 1	C	WE	5	
	mageoMaCBG-01a	Marine Biogeochemistry	L L	2 2	C	WE	5	
	mageoMaCMP-01a	Marine Petrology, Geodynamics and Ore deposits	L L PE	2 2 1	C	WE	5	
	mageoMaCSM-01a	Submarine Mapping	L E	2 2	C	OE	5	
	mageoMaCPO-01a	Paleoceanography	L L	2 2	C	WE	5	
	mageoMaCCS-01a	Introduction to Climate Sciences	L PE	2 1	C	WE	5	
<b>Summe ECTS Semester</b>							<b>30</b>	
2. Semester	mageoMaCMT-01a	Measuring techniques in shallow water (cruise)	S PE	1 4	C	R	5	
	mageoMaCFEM-01a	Field Exercises: Introduction to integrated marine sciences (cruise)	S PE	1 4	CE	OP	5	
	mageoMaCFEP-01a	Petrological Field Exercises	PE	5	CE	R	5	
	mageoMaCPB-01a	Paleobiology	L PE S	1 3 1	C	WE & R	5	
	mageoMaCSus-01a	Sustainability	L S	2 2	C	OP	5	
		Compulsory Elective	d.o.m.	3-5	CE	d.o.m.	5	
		CAU-wide option	d.o.m.	3-5	CE	d.o.m.	5	
<b>Summe ECTS Semester / Jahr</b>							<b>30</b>	<b>60</b>
3. Semester  Mobilitätsfenster	mageoMaCMPE-01a	Marine Paleoenvironment	L PE PE	2 2 1	C	R	5	
	mageoMaCPW-01a	Project Work Marine Geosciences	S WP	2 8	C	R	10	
		Compulsory Elective	d.o.m.	3-5	CE	d.o.m.	10	
		CAU-wide option	d.o.m.	3-5	CE	d.o.m.	5	
<b>Summe ECTS Semester</b>							<b>30</b>	
4. Semester	mageoMaCMTh-01a	Masterthesis & -defense			C	R & D (70% & 30%)	30	
<b>Summe ECTS Semester / Jahr</b>							<b>30</b>	<b>60</b>
<b>Gesamtsumme ECTS</b>								<b>120</b>

\*) Anwesenheitspflicht

Erklärungen:

LF: Lehrform

SWS: Semesterwochenstunden

PL: Prüfungsleistung (WE: Written Exam, OE: Oral Exam, R: report, OP: Oral Presentation, D: Defense)

Sem.: Semester

LP: Leistungspunkte

L: Lectures, P: Practical, E: Exercises, PE: practical Exercises (compulsory attendance), S: Seminar, WP: Work Project

Status: C: Compulsory, CE: Compulsory elective

d.o.m.: depending on module