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**Examination Regulations (Rules)
of the Faculty of Business, Economics and Social Sciences
at Christian-Albrechts-Universität zu Kiel (Kiel University)
for students of the 'Quantitative Economics'
Master of Science (M.Sc.) degree programme
of 6 February 2014**

Version published on 15 April 2014 (Bulletin of the Ministry of Education and Science of the Land Schleswig-Holstein (NBI. HS. MBW. Schl.-H.) p. 34), amended by statute of 2 February 2017, published on 16 February 2017 (NBI. HS MSGWG Schl.-H. p. 3), amended by statute of 27 July 2017, published on 28 September 2017 (NBI. HS MBWK Schl.-H. p. 70), amended by statute of 14 February 2020, published on 8 April 2020 (NBI. HS MBWK Schl.-H. S. 14), **cancelled by examination regulations for the Quantitative Economics Master of Science (M.Sc.) degree programme – 2021 of 25 February 2021, published on 22 April 2021 (NBI. HS MBWK Schl.-H. p 17)**

The previous version of the Examination Regulations for the Economics B.Sc., Economics M.Sc. and Quantitative Economics M.Sc. can be found under <http://www.studservice.uni-kiel.de/sta/3.3-031-2007.pdf>

Based on Section 52 (1) of the Schleswig-Holstein Higher Education Act (HSG) of 28 February 2007 (GVOBl. Schleswig-Holstein, page 184), most recently amended by the Act of 22 August 2013 (GVOBl. Schleswig-Holstein, page 365), after a resolution was passed by the Convention of the Faculty of Business, Economics and Social Sciences of 4 December 2013 the following Rules were issued:

| | |
|--|----------|
| § 1 Scope of application | 2 |
| § 2 Objective of the degree programme | 2 |
| § 3 Academic title | 2 |
| § 4 Structure of curriculum | 2 |
| § 5 Academic year | 2 |
| § 6 Admission to the Master's degree programme..... | 2 |
| § 7 Restriction of admission to courses..... | 3 |
| § 8 Purpose of the examination..... | 3 |
| § 9 Teaching and examination language | 3 |
| § 10 Examination Board | 3 |
| § 11 Examination subjects and ECTS credits | 3 |
| § 12 Module examinations..... | 4 |
| § 12 a Regular attendance at lectures..... | 4 |
| § 13 Resitting module examinations..... | 4 |
| § 14 Master's thesis..... | 4 |
| § 15 Calculation of the final grade and section grades | 5 |
| § 16 Recognition of examinations | 5 |
| § 17 Entry into force und transitional provisions..... | 5 |
| Annex 1 Programme Schedule for the Master's in Quantitative Economics..... | 7 |
| Annex 2 Curriculum for the Master's in Quantitative Economics | 8 |
| Appendices 1 – 6.10 | 9 |

§ 1 Scope of application

- (1) These degree-specific 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 Master's degree programme "Quantitative Economics".
- (2) 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 Objective of the degree programme

The Master's degree following on from the Bachelor's degree is a more advanced degree qualifying for a professional career in economic studies. It aims to equip graduates with the ability to assume tasks with a high level of responsibility in companies or in public administration senior service, as well as in organisations and associations or as freelancers and to qualify them for independent scientific work.

§ 3 Academic title

The student is awarded the degree of Master of Science (M.Sc.) by the Faculty of Business, Economics and Social Sciences if he or she has passed the Master's examination.

§ 4 Structure of curriculum

The standard period of study for the Master's degree programme is four semesters. The degree programme encompasses approximately 50 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.

§ 5 Academic year

- (1) The degree programmes governed by these degree-specific Examination Regulations are structured by academic year, beginning with the winter semester. As a general rule, a course will be offered once a year. Courses which, according to the curriculum are planned for an odd-numbered semester, are generally offered in the winter semester. Courses which, according to the curriculum are planned for an even-numbered semester, are generally offered in the summer semester.
- (2) Registrations to the Master's degree programme in Quantitative Economics for both odd and even-numbered semesters are possible in winter and summer semesters. Starting the degree programme in the winter semester is strongly recommended, as the modules in Advanced Microeconomics, Advanced Macroeconomics I Econometrics I and Advanced Statistics I are only offered in the winter semester. These modules are fundamental for many of the optional modules.

§ 6 Admission to the Master's degree programme

- (1) Anyone who has completed a Bachelor's degree programme with a standard period of study of at least three years at a German or comparable foreign institution of higher education can be admitted to the Master's degree programme. The candidate must have obtained at least 180 ECTS credits, have a grade of 2.5 or higher, or passed a comparable final examination. The candidate must produce proof of at least 35 ECTS credits from courses in Economics, in particular covering Micro- and Macroeconomic Theory, and from courses in Quantitative Basics, in particular covering Analysis, Algebra, Statistics and Econometrics. The contents of these courses must not overlap. Of these 35 ECTS credits (minimum) mentioned above, at least 10 ECTS credits must come from courses in Micro- and Macroeconomic Theory, 8 ECTS from courses in Analysis and Algebra, 10 ECTS from Statistics courses and 4 ECTS from Econometrics. Content-related proof of the required basic knowledge must be provided by submitting an official module handbook or a module description that has been confirmed by the university.

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- (2) Anyone who has completed a Bachelor's degree programme in accordance with paragraph 1 with a grade of 3.0 or higher can be admitted to the Master's degree programme if he or she can produce proof of at least 35 ECTS credits in accordance with paragraph 1, and if the average grade, weighted by ECTS credits, from the courses in Economics, in particular covering Micro- and Macroeconomic Theory, and from courses in Quantitative Basics, in particular covering Analysis, Algebra, Statistics and Econometrics is 2.5 or higher. The contents of these courses must not overlap.
- (3) The Chair of the Examination Board decides whether the admission requirements of (1) and (2) are met and may impose conditions such as sitting certain examinations in order to qualify for admission.
- (4) The language requirements can be found in the study qualification rules (*Studienqualifikationssatzung*).

§ 7 Restriction of admission to courses

- (1) The number of places available for the individual compulsory or optional courses is determined by the Faculty Convention. If more students initially register for the seminars and practical exercises than there are places available, the module coordinator 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 a degree programme in which the course is 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. They will be selected as follows: Half of the places available are assigned based on the length of the waiting time. Preference is to be given to those students, whose number of semesters would be increased by non-admission. The remaining places are assigned by drawing lots. In order to avoid cases of hardship, the responsible committee may deviate from this order upon request.

§ 8 Purpose of the examination

The purpose of the Master's examination is to determine whether the candidate:

1. can explain and interpret the basic concepts and methods in statistics, econometrics and economics;
2. has obtained a broad, in-depth, critical and up-to-date knowledge in several sub-branches of statistics, econometrics and economics;
3. is capable of independently acquiring new knowledge and skills;
4. is able to evaluate the main research methods in statistics, econometrics and economics;
5. is able to apply this knowledge to independently solve complex issues;
6. is capable of developing and applying his/her own ideas.

§ 9 Teaching and examination language

Lectures and examinations will be held in English. Lectures and examinations for the optional courses may be held in German.

§ 10 Examination Board

The Examination Board may delegate the responsibility for deciding whether the student has passed or failed a final Master's examination as well as for appeals against examination decisions to the Chair in accordance with the Examination Procedure Regulations (PVO).

§ 11 Examination subjects and ECTS credits

(1) Module examinations must be taken in the following subjects:

- | | |
|--|---------|
| 1. Compulsory Section in Economics | 20 ECTS |
| 2. Compulsory Section in Statistics and Econometrics | 30 ECTS |
| 3. Optional Section in Economics | 20 ECTS |
| 4. Optional Section in Statistics and Econometrics | 10 ECTS |

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5. Minor Subject

10 ECTS

- (2) Four optional modules in Economics are to be selected in the Optional Section in Economics. Three of these must be lecture modules and one must be a seminar module.
- (3) In the Optional Section in Statistics and Econometrics, two modules from the module group Applied Empirical Methods must be selected.
- (4) Modules which can be selected in the Optional Section and the Minor Subject are only recognised in the subject in which the examination registration takes place.
- (5) The lecturer must inform the Dean of Studies about any intentional changes to the range of courses on offer.

§ 12 Module examinations

- (1) The type and number of module examinations required as part of the modules can be found in Annex 1 and 2.
- (2) The duration of an oral examination must be at least 15 minutes, but must not exceed 45 minutes. The duration of a written test must be at least 30 minutes and no longer than 120 minutes.
- (3) In seminars, the grade is calculated from the performance in a seminar contribution, which generally consists of two examination elements whose contents are related (assignment and seminar paper), but can also consist of other interrelated achievements (e.g. critical analysis of a seminar paper (Ko-Referat), leading discussions). These are to be found in the module handbook.

§ 12 a Regular attendance at lectures

- (1) Regular attendance at lectures by the students may be demanded for excursions, language courses, work experience or practical exercises and also in “comparable lectures” within the meaning of Section 52 (12) of the Schleswig-Holstein Higher Education Act (HSG). A lecture is particularly comparable within the meaning of Section 8 (7) of the Examination Procedure Regulations (PVO) if regular attendance by the student is necessary in order to grasp the basic subject-specific methods and acquisition of the skills depends on attendance by the other participants.
This is regularly the case with the designated economics and statistical-econometric seminars in this degree programme, because they require the joint reading, analysis and interpretation of literature that is relevant to the research, as well as scientific discussions between the students themselves and with lecturers, in addition to individual seminar papers by the students. The seminars are not mainly designed for the lecturers to pass on the knowledge, instead they primarily serve to teach students expert discourse, both in terms of conveying research findings, discourse over research strategies and methods, as well as the economic policy consequences of economic research findings. In order to achieve these aims, the Convention of the Faculty of Business, Economics and Social Sciences decided on a maximum number of students permitted to attend a seminar.
- (2) Attendance is considered regular if the student does not miss more than 25% of the attendance time. This required attendance time can be found in the module handbook. The Examination Board decides regarding justified exceptional cases.

§ 13 Resitting module examinations

For every module that ends in an examination, this examination will take place during the semester in which the module is offered. A resit examination will be in the next following examination period. The next examination opportunity will only be the next time the module is offered.

§ 14 Master's thesis

- (1) Candidates who have obtained at least 60 ECTS credits from module examinations may be admitted to the Master's thesis.

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- (2) The topic of the Master's thesis is issued based on a proposition from the candidate in consultation with the examiner, following approval by the Chair of the Examination Board. If the topics are not taken from optional subjects offered by the faculty, they shall demonstrate reference to business studies.
- (3) The period from when the topic is issued until the Master's thesis is submitted is six months. This deadline may only be extended in accordance with the PVO requirements, and not by more than three months.
- (4) The topic of the Master's thesis may be handed back only once and only within the first two months.
- (5) The Master's thesis must not exceed 80 pages. Details are determined by the Examination Board, who will announce them in an appropriate manner. The Master's thesis is to be written in English. The thesis may also be written in German with the approval of the examiner.
- (6) The Master's thesis is to be submitted on time to the responsible Examination Office in the form of two hard copies and additionally one copy saved on a medium suitable for electronic data processing.

§ 15 Calculation of the final grade and section grades

- (1) In the overall grade, the grade for the Master's thesis and the section grades are weighted as follows:

| | |
|--|--------|
| 1. Compulsory Section in Economics | 20/120 |
| 2. Compulsory Section in Statistics and Econometrics | 30/120 |
| 3. Optional Section in Economics | 20/120 |
| 4. Optional Section in Statistics and Econometrics | 10/120 |
| 5. Minor Subject | 10/120 |
- (2) One section grade for each of the sections above will be calculated.
- (3) The modules are incorporated into the section grade, weighted by ECTS credits. If a candidate has passed more modules in a section than the curriculum requires, those module examinations which the candidate passed first are used when calculating the section grade. The section grade for the Minor Subject is calculated according to Sentence 1, if this is not governed by the subject or institute offering the module.

§ 16 Recognition of examinations

The provisions regarding recognition in the Recognition Rules apply.

§ 17 Entry into force und transitional provisions

- (1) These Examination Regulations enter into force as of 1 July 2014. They apply to all individuals applying and registering at Kiel University for the winter semester 2014/15 or later, for the Quantitative Economics degree programme resulting in a Master of Science degree.
- (2) At the same time, the Examination Regulations (Rules) of the Faculty of Business, Economics and Social Sciences at the Kiel University for students of the 'Economics' Bachelor of Science (B.Sc.) degree programme, and students of the 'Economics and Quantitative Economics' Master of Science (M.Sc.) degree programme of 29 November 2007 (NBl. MWV. Schl.-H. 2008, P. 96), most recently amended by the regulations of 16 February 2012 (NBl. MWV. Schl.-H. P. 9), cease to be in force.
- (3) It is possible for students who are registered for the Master of Science degree programme in Quantitative Economics at the Kiel University at the time when these Rules enter into force to obtain a degree up until the end of the winter semester 2016/17 in accordance with the Examination Regulations which ceased to be in force pursuant to paragraph 2. If compulsory modules and examinations from the Examination Regulations in accordance with paragraph 2 are no longer offered, the Examination Board will name replacement modules and examinations. If modules and examinations are offered in a different form,

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these must be completed under the new version. The Chair of the Examination Board determines any adjustments which may be necessary regarding the learning objectives and the ECTS credits to be obtained.

- (4) Until 30 September 2014, students can apply to the Examination Board to change to the new degree-specific Examination Regulations. Examinations which have been completed under the old Examination Regulations retain their validity. The Examination Board determines the modules of these Examination Regulations for which the fully completed examinations are to be recognised, and which achievements regarding the learning objectives and the ECTS credits to be obtained must be gained in addition.
- (5) If a student has completed and passed independent parts of a module examination, and the remaining parts are no longer available, the Examination Boards determines which supplementary examinations are necessary to complete the module, with regard to the learning objectives of the module and the ECTS credits to be obtained.
- (6) Students continuing their degree programme under the old Examination Regulations automatically change over to the new Examination Regulations for the summer semester 2017.
- (7) Examinations failed under the old Examination Regulations 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.
- (8) 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 Section 52 (1) of the Schleswig-Holstein Higher Education Act in its letter dated 6 February 2014.

Kiel, 6 February 2014

Professor Horst Raff, Ph.D.
Dean of the Faculty of Business, Economics and Social Sciences
of Kiel University

Article 2 of the amended Examination Regulations of 2 February 2017:

These Examination Regulations enter into force on the day of their announcement.

Article 2 of the amended Examination Regulations of 14 April 2020:

These Examination Regulations enter into force on the day of their announcement and apply for the first time for the summer semester 2020.

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Annex 1 Programme Schedule for the Master's in Quantitative Economics

| | | | | | | |
|---------|----------------------------------|----------------------------------|--|----------------------------------|------------------------------|-----------------------|
| 1st Sem | Advanced Microeconomics | | Advanced Macroecon. I | Optional module Economics | Advanced Statistics I | Econometrics I |
| 2nd Sem | Advanced Macroecon. II | Optional module Economics | Optional module Applied Empirical Methods | Advanced Statistics II | Econometrics II | Minor Subject |
| 3rd Sem | Optional module Economics | Seminar Economics | Optional module Applied Empirical Methods | Advanced Statistics III | Econometrics III | |
| 4th Sem | Master's Thesis | | | | | |

Annex 2 Curriculum for the Master's in Quantitative Economics

| | Section | Module | Examination | SWS | ECTS Module | ECTS Section |
|--------------------|-----------------------------|---|-------------|---------------|-------------|--------------|
| Compulsory Section | Economics | Advanced Microeconomics | K | 4V + 2Ü | 10 | 20 |
| | | Advanced Macroeconomics I | K | 2V + 1Ü | 5 | |
| | | Advanced Macroeconomics II | K | 2V + 1Ü | 5 | |
| | Statistics and Econometrics | Advanced Statistics I | K | 2V + 2 Ü | 5 | 30 |
| | | Advanced Statistics II | K | 2V + 1 Ü | 5 | |
| | | Advanced Statistics III | K | 2V + 1 Ü | 5 | |
| Econometrics I | | K | 2V + 2 Ü | 5 | | |
| Econometrics II | | K | 2V + 1 Ü | 5 | | |
| | | Econometrics III | K | 2V + 1 Ü | 5 | |
| Optional Section | Economics | Optional module | K / MP | 2V + Ü | 5 | 20 |
| | | Optional module | K / MP | 2V + Ü | 5 | |
| | | Optional module | K / MP | 2V + Ü | 5 | |
| | | Seminar | S | 2 | 5 | |
| | Statistics and Econometrics | Optional module Applied Empirical Methods | K / MP / S | 2V + 1Ü / 2 S | 5 | 10 |
| | | Optional module Applied Empirical Methods | K / MP / S | 2V + 1Ü / 2 S | 5 | |
| | Minor Subject | Depends on the subject chosen, see Appendix 4 for examinations and SWS. | | | | 10 |
| Master's thesis | | | | | | 30 |
| Total | | | | | | 120 |

SWS: Semesterwochenstunden = weekly 45-minute teaching units; K: Klausur = written examination, MP: mündliche Prüfung = oral examination, S: Seminar contribution = seminar contribution; V: Vorlesung = lecture; Ü: Übung = practical exercises/tutorial

Appendices 1 – 6.10

Please find the following Appendices

Appendix 1 Glossary

Appendix 2 Compulsory Section in Economics (1020002)

Appendix 3 Compulsory Section in Statistics and Econometrics (1030002)

Appendix 4 Optional Section in Economics (1060002)

Appendix 5 Optional Section in Statistics and Econometrics

Appendix 6 Minor Subject

Appendix 6.1 Empirical Economics

Appendix 6.2 Economics

Appendix 6.3 Business Administration

Appendix 6.4 International Comparative Sociology

Appendix 6.5 Political Science

Appendix 6.6 Agricultural Economics

Appendix 6.7 Computer Science for Economists

Appendix 6.8 Computer Science

Appendix 6.9 Mathematics

Appendix 6.10 Deutsch als Fremdsprache

in the German original: <http://www.studservice.uni-kiel.de/sta/fachpruefungsordnung-quantitative-economics-master-1-fach-2014.pdf>