These degree program and examination regulations have been worded carefully to be up to date; however, errors cannot be completely excluded. The official German text available from L1 – Legal Affairs and Academic Quality Management is the version that is legally binding.

**Note:** Students who started their studies before the latest amendment came into effect are requested to also comply with previous amendments and the respective transitory provisions.

**General Examination Regulations for the Bachelor’s degree programs in Data Science, Mathematics, Industrial Mathematics and Economics and Mathematics and the Master’s degree programs in Data Science, Mathematics, Computational and Applied Mathematics and Economics and Mathematics at the Faculty of Sciences of Friedrich-Alexander-Universität Erlangen-Nürnberg (FAU)

– ABMPOMathe/NatFak –

Dated March 11, 2015

amended by statutes of
March 2, 2017
July 15, 2019
August 20, 2020
March 11, 2021

Based on Section 13 (1)(2), Section 43 (5), Section 58 (1) and Section 61 (2)(1) of the Bavarian Higher Education Act (Bayerisches Hochschulgesetz, BayHSchG), FAU enacts the following degree program and examination regulations:

**Contents:**

**Part I: General Provisions**

- Section 1 Scope, Purpose of the Bachelor’s and Master’s Examination
- Section 2 Degrees
- Section 3 Structure of the Bachelor’s Degree Program, Standard Duration of Study, Teaching and Examination Language, Starting Date
- Section 4 Structure of the Master’s Degree Program, Standard Duration of Study, Teaching and Examination Language, Starting Date
- Section 5 ECTS Credits
- Section 6 Modules and Credits, Voluntary Intermediate Examinations
- Section 7 Compulsory Attendance
- Section 8 Examination Deadlines, Failure to Observe Deadlines
- Section 9 Examinations Committee
- Section 10 Examiners, Observers, Exclusion Due to Personal Involvement, Obligation to Confidentiality
- Section 11 Announcement of Examination Dates and Examiners, Registration, Withdrawal
- Section 12 Admissions Committee for the Master’s Degree Program
- Section 13 Accreditation of Skills
- Section 14 Consequences of Delayed Withdrawal, Breach of Regulations, Fraud, Exclusion from Further Participation
- Section 15 Revocation of Degrees
- Section 16 Faults in the Examination Process
- Section 17 Written Examination, Change in Examination Form, Multiple Choice Examinations
Section 18.1: Bachelor’s Examination

Part II: Bachelor’s Examination
Section 24.1: General Provisions
Section 25.1: Bachelor’s Degree Program
Section 26.1: Bachelor’s Degree Program
Section 27.1: Bachelor’s Degree Program
Section 28.1: Bachelor’s Degree Program
Section 29.1: Bachelor’s Degree Program
Section 30.1: Bachelor’s Degree Program
Section 31.1: Bachelor’s Degree Program
Section 32.1: Bachelor’s Degree Program
Section 33.1: Bachelor’s Degree Program
Section 34.1: Bachelor’s Degree Program
Section 35.1: Bachelor’s Degree Program

Part III: Master’s Examination
Section 36.1: General Provisions
Section 37.1: Master’s Degree Program
Section 38.1: Master’s Degree Program
Section 39.1: Master’s Degree Program
Section 40.1: Master’s Degree Program
Section 41.1: Master’s Degree Program
Section 42.1: Master’s Degree Program
Section 43.1: Master’s Degree Program
Section 44.1: Master’s Degree Program
Section 45.1: Master’s Degree Program
Section 46.1: Master’s Degree Program

Part IV: Final Provisions
Section 47.1: General Provisions
Section 48.1: Final Provisions
Section 49.1: Final Provisions
Section 50.1: Final Provisions
Section 51.1: Final Provisions
Section 52.1: Final Provisions
Section 53.1: Final Provisions
Section 54.1: Final Provisions
Section 55.1: Final Provisions
Section 56.1: Final Provisions

Appendix

Part I: General Provisions

Section 1 Scope, Purpose of the Bachelor’s and Master’s Examination
(1) These degree program and examination regulations govern the examinations for the Bachelor’s degree programs in Data Science, Mathematics, Industrial Mathematics and Economics and Mathematics and the Master’s degree programs in Data Science, Mathematics, Computational and Applied Mathematics and Economics and Mathematics leading to a Bachelor of Science or Master of Science degree. They are supplemented by the respective degree program and examination regulations.

(2) The Bachelor of Science is an undergraduate degree that qualifies graduates for professional work. The purpose of the Bachelor’s examination is to assess whether students:
- have acquired fundamental knowledge as well as methodological understanding of the examined subjects,
- have the ability to employ scientific methods and knowledge independently,
- are prepared for the transition to professional practice.

(3) The Master of Science is a postgraduate degree that qualifies graduates for further research as well as professional work. The Master’s examination serves to determine whether students:
- have acquired in-depth knowledge of fundamental concepts and research findings in the subjects of their Master’s degree program,
- are capable of working independently according to scientific methods and of developing these further,
- are prepared for professional practice.
Section 2 Degrees

(1) Passing the examinations results in the following degrees, depending on the type of degree program:
1. The degree of Bachelor of Science (abbreviation: BSc) for passing the Bachelor’s examination,
2. The degree of Master of Science (abbreviation: MSc) for passing the Master’s examination.

(2) The degree may also be used with the addition ‘(FAU Erlangen-Nürnberg)’.

Section 3 Structure of the Bachelor’s Degree Program, Standard Duration of Study, Teaching and Examination Language, Starting Date

(1) 1Students must complete the Grundlagen- und Orientierungsprüfung (GOP) covering the foundations of the Bachelor’s degree program by the end of the second semester. 2The Bachelor’s degree program includes a four-semester foundation phase worth 120 ECTS credits. 3The subsequent part of the Bachelor’s degree program until the end of the standard duration of study consists of the specialization phase lasting two semesters and including examinations worth 60 ECTS credits. 4To complete the program successfully, students shall achieve 180 ECTS credits, which include all required module examinations and the Bachelor’s thesis module.

(2) The standard duration of a Bachelor’s degree program including all examinations is six semesters.

(3) 1The teaching and examination language in the Bachelor’s degree program is German. 2Individual modules may be taught and assessed in English. 3Further details are stipulated in the degree program and examination regulations and the module handbook. 4In any case of uncertainty, the examination language shall be the same as the teaching language. 5The degree program and examination regulations can stipulate provisions deviating from sentences 1 and 2 and allow for other teaching and examination languages.

(4) The degree program shall begin in the winter semester.

Section 4 Structure of the Master’s Degree Program, Standard Duration of Study, Teaching and Examination Language, Starting Date

(1) The Master’s degree program builds on the contents of the Bachelor’s program; it is more research-oriented.

(2) 1The Master’s degree program shall have a duration of three semesters plus one semester for working on the Master’s thesis. 2To complete the program successfully, students shall achieve 120 ECTS credits, which include all required module examinations and the Master’s thesis module.

(3) The standard duration of the Master’s degree program is four semesters.

(4) If students have the choice between several modules, they shall choose modules that may be studied without overlap within the context of an individual study agreement after consulting a study or subject advisor.
(5) The teaching and examination language in the Master’s degree program is German. Individual modules may be taught and assessed in English. Further details are stipulated in the degree program and examination regulations and the module handbook. In any case of uncertainty, the examination language shall be the same as the teaching language. The degree program and examination regulations can stipulate provisions deviating from sentences 1 and 2 and allow for other teaching and examination languages.

(6) The Master’s degree program may be started in the winter semester or in the summer semester, unless stipulated otherwise in the applicable degree program and examinations regulations.

Section 5 ECTS Credits
(1) The degree program and examinations are based on the European Credit Transfer and Accumulation System (ECTS). 30 ECTS credits are allocated per semester. One ECTS credit corresponds to 30 hours of work.

(2) ECTS credits serve as a system to categorize, calculate and confirm the amount of work a student has invested. They are a quantitative indicator of a student’s workload.

Section 6 Modules and Credits, Voluntary Intermediate Examinations
(1) The degree program consists of modules for which students are awarded ECTS credits. One module is a chronologically connected and self-contained teaching and learning unit, the content of which can be tested in an examination.

(2) The modules shall be completed with a module examination. This examination shall as a rule consist of one examination achievement or one course achievement. In exceptional cases, this examination can also consist of several partial examinations or parts of examinations or a combination of examination and course achievements if the subject warrants it. Ungraded course achievements consisting of several parts and/or course achievements which can be repeated an unlimited number of times shall not count as examinations consisting of several parts as defined in sentence 3. ECTS credits shall only be awarded for successful participation in modules that can be verified in an individual, separately identifiable performance in a module examination. Module examinations are conducted during the lecture period or following the last lecture/seminar of a module before the start of the next semester’s lecture period.

(3) Examinations (examination achievements and course achievements) measure the student’s performance. They may be in writing, oral, electronic or in a different form specific to the subject (e.g. tutorial achievements, practical achievements, seminar achievements). Examination achievements are graded. The assessment of course achievements may be limited to determining whether the student has passed or not.

(4) Tutorial achievements (TA) generally involve independently solving exercises each week (e.g. exercises in programming or calculations, or e-learning units, which are assessed on the basis of an exercise log, compilation or electronic record). Practical achievements (PA) generally involve completing practical tasks, documenting them in a series of reports and completing oral or written tests on the practical task at hand. Students may also be required to complete seminar achievements (SEA) (generally a presentation and handout). The specific form and scope of the examinations...
stated in sentences 1 to 3 depend on the specific manner in which the respective mod-
ule or teaching unit is taught. Details are stipulated in paragraph (5) of the applicable
degree program and examination regulations and/or the module handbook.

(5) 1 The scope of a seminar achievement pursuant to paragraph (4)(3) depends on the
specific topic which has been allocated and shall be agreed with the module coordina-
tor. 2 Unless stipulated otherwise in the relevant degree program and examination
regulations, the presentation shall generally last approximately 30 to 80 minutes and
the handout shall be approximately 5 to 25 pages long.

(6) 1 In addition to the module examinations, voluntary intermediate examinations (e.g.
tutorial achievements, short tests or homework assignments) may be offered during
teaching units as a way of measuring the standard of performance. 2 More detailed
information, including the number, type and scope of these examinations, is given in
the module handbook. 3 An intermediate examination achievement may improve the
grade for a passed module examination or partial examination by a maximum of 0.7; a
grade may not be made worse. 4 If a student chooses to use the option detailed in
sentence 1, these results shall be taken into account when determining the grade for
the module.

(7) Enrollment in the relevant degree program at FAU is a requirement for participation
in module examinations according to (2)(1). This shall not apply to resit examinations
within the meaning of Sections 30 and 35.

Section 7 Compulsory Attendance

(1) 1 For teaching units, which are marked accordingly in the respective module de-
scription, in which the qualification goal can only be achieved by regular attendance,
compulsory attendance can be made a requirement for admission to the module ex-
amination or for obtaining the course achievement. 2 If attendance of the individual stu-
dent is required for all participants to obtain the subject-specific skills, if the individual
student obtaining such skills depends on the attendance of the other participants, or if
subject-specific skills can only be obtained by being present at a particular place, or if
participation is required for safety reasons, it is permissible to introduce an obligation
to attend.

(2) 1 Regular attendance is defined as missing no more than 15% of instruction time in
any given teaching unit. 2 If between 15% and 30% of instruction time has been missed,
the lecturer can offer the student the option to obtain a skills-orientated substitute
achievement fulfilling the requirement of regular attendance. If no such substitute
achievements are offered or the substitute achievements offered are not obtained by
the student, attendance is not considered to have been regular. 3 If more than 30% of
all instruction time has been missed, the teaching unit must be taken again. 4 Any po-
sitions after the decimal point in the percentage of instruction time missed shall be
rounded for the benefit of the student.

(3) 1 Notwithstanding paragraph 2, in the context of excursions, placements and block
seminars, attendance is only considered to have been regular if all teaching units have
been attended. 2 Appropriate substitute achievements fulfilling the requirement of reg-
ular attendance shall be offered in the case of credibly shown periods of absence due
to reasons beyond the student’s control of up to and including 15% of instruction time.
3 If more than 15% of instruction time has been missed, the teaching unit must be taken
again. 4 Any positions after the decimal point in the percentage of instruction time missed shall be rounded for the benefit of the student.

(4) Attendance is checked in the individual teaching units by means of an attendance list in which students must enter their name and signature.

Section 8 Examination Deadlines, Failure to Observe Deadlines

(1) Examinations shall be sat in such a timely manner as to allow the student to obtain the ECTS credits specified in the degree program and examination regulations for the GOP and the Bachelor’s or Master’s examination by the scheduled deadline. Deadlines shall be the second semester of the Bachelor’s degree program for the GOP and the last semester of the respective standard duration of study for the Bachelor’s or Master’s examination. The deadlines according to sentence 2 may be exceeded by the following periods (extended deadline):

1. GOP – by one semester,
2. Bachelor’s examination – by two semesters,
3. Master’s examination – by two semesters.

An examination shall be considered to have been sat and failed at the final attempt if the required number of ECTS credits stipulated in the degree program and examination regulations was not obtained within the extended deadline according to sentence 3, unless the reasons for this are beyond the student’s control.

(2) The deadline set forth in paragraph (1) shall be extended by claiming the legal periods of protection stipulated in the law protecting mothers at work, in education and whilst studying, the Maternity Protection Act (Mutterschutzgesetz – MuSchG) in the version published on 23 May 2017 (BGBl I S. 1228 [German Federal Law Gazette I p.2318]), according to the periods set forth in the current version of the Parental Allowance and Parental Leave Act (Bundeselterngeld- und Elternzeitgesetz – BEEG) of December 5, 2006 (BGBl I S. 2748 [German Federal Law Gazette I p. 2748]), and according to periods of time spent providing care in the sense of Section 7 (3) of the current version of the Caregiver Leave Act (Pflegezeitgesetz – PflegeZG) of 28 May 2008 (BGBl I S. 874, 896 [German Federal Law Gazette I p. 874, 896]) for a close family member who requires care in the sense of the current version of SGB XI (German Social Security Code XI) of May 26, 1994 (BGBl I S. 1014, 1015 [German Federal Law Gazette I p. 1014, 1015]).

(3) The reasons according to (1)(4) and (2) shall be explained in writing and shown credibly to the Examinations Office without delay. If the reasons are acknowledged, the examination shall be sat at the soonest possible time; previous examination and course achievements shall be accredited. In case of an incapability to sit the examination occurring before or during the examination, the examiner shall be notified immediately; in cases where the student is unable to sit an examination due to illness, an official doctor’s certificate shall be submitted at the same time. The Examinations Committee may require the student to submit a certificate from an official medical examiner (vertrauensärztliches Attest).
Section 9 Examinations Committee

(1) 1An Examinations Committee shall be appointed to organize the examinations. 2An Examinations Committee consisting of five members of the Department of Mathematics shall be appointed for the Bachelor’s degree programs in Mathematics, Industrial Mathematics, and Economics and Mathematics as well as for the Master’s degree programs in Mathematics, Computational and Applied Mathematics and Economics and Mathematics. 3The chairperson, their deputy and the further members of the Examinations Committee shall be professors at the Department of Mathematics appointed by the Faculty Council of the Faculty of Sciences based on the Department’s recommendation. 4An Examinations Committee consisting of two members of the Department of Mathematics at the Faculty of Sciences and one member of the Department of Computer Science at the Faculty of Engineering shall be appointed for the Bachelor’s and Master’s degree programs in Data Science. 5The chairperson and one other member of the Examinations Committee shall be professors of the Department of Mathematics, the deputy of the Examinations Committee shall be a professor of the Department of Computer Science and all members are appointed by the Faculty Council of the Faculty of Sciences based on each department’s recommendation. 6The term of office of the members of each Examinations Committee shall be two years. 7Re-election shall be permitted.

(2) The chairperson may transfer tasks within their responsibility to a member of the Examinations Committee.

(3) 1The Examinations Committee shall be tasked with carrying out the examination procedures, especially the planning and organization of the examinations. 2Its duties include ensuring that the provisions of these examination regulations are observed. 3With the exception of the examinations themselves and their assessment, which the examiners are responsible for, all decisions shall be taken by the Examinations Committee. 4The Examinations Committee shall check delegated decisions if requested to do so and shall verify that examinations have been legitimately assessed. 5It shall regularly report to the Department Council on the development of examinations and study periods. 6The members of the Examinations Committee shall have the right to be present during examinations.

(4) 1The Examinations Committee shall have a quorum when all members are summoned in writing observing a notice period of at least one week and the majority of members are present and eligible to vote. 2Decisions shall be taken with the majority of votes cast in meetings. 3Abstentions, ballot votes and delegation of votes shall not be permitted. 4In case of a tie of votes, the vote of the chairperson shall be decisive.

(5) 1The chairperson shall call the meetings of the Examinations Committee. 2The chairperson shall be entitled to take decisions that cannot be delayed on behalf of the Examinations Committee. 3The Examinations Committee shall be informed of such cases without delay. 4Furthermore, unless these examination regulations state otherwise, the Examinations Committee shall have the right to transfer individual tasks to the chairperson as well as revoke these.

(6) 1Official notifications in legal matters pertaining to examinations shall be made in writing; reasons shall be given and information on legal remedies available to the person shall be included. 2Students shall be given the opportunity to make a statement before negative decisions are finalized. 3The Examinations Committee shall have the
right to rule that grade notifications may be sent out in electronic form to the individual students. \(^4\) The President shall issue any notification of objection in questions of examination legislation following consultation with the Examinations Committee and after hearing the examiners.

Section 10 Examiners, Observers, Exclusion Due to Personal Involvement, Obligation to Confidentiality

(1) \(^1\)The Examinations Committee shall appoint examiners and reviewers. \(^2\) All persons eligible to administer examinations according to the current version of the Bavarian Higher Education Act (BayHSchG) and the Bavarian Higher Education Examiners Act (BayHSchPrüferV) shall be eligible for appointment. \(^3\) If an eligible examiner leaves the University, they shall usually remain eligible to act as an examiner for up to one year. \(^4\) The Examinations Committee shall have the right to extend this period upon request.

(2) A change of examiners shortly before the start of an examination shall be permissible on urgent grounds.

(3) \(^1\) Persons who have completed the degree program in question or a degree program related to it shall be eligible for appointment as observers. \(^2\) Observers shall be research associates in principal employment at the University.

(4) Exclusion from the deliberation and voting process of the Examinations Committee as well as from the positions of examiner and observer due to personal involvement shall be governed by Section 41 (2) BayHSchG.

(5) The obligation to confidentiality of the Examinations Committee and other persons involved in matters pertaining to examinations shall be governed by Section 18 (2)(3) BayHSchG.

Section 11 Announcement of Examination Dates and Examiners, Registration, Withdrawal

(1) The dates of the examinations and the examiners shall be announced by the Examinations Office in good time and according to local practice.

(2) \(^1\) Students shall register for the individual module examinations by the deadlines specified by the examiners. \(^2\) The registration dates and formalities shall be announced in good time before registration and according to local practice.

(3) \(^1\) Notwithstanding the deadlines set forth in Sections 8, 30 and 35, withdrawal from the first attempt at an examination for which students have registered pursuant to paragraph (2) shall be permitted without stating reasons up until the end of the third working day before the examination date; withdrawals are to be submitted to the examiner. The days between and including Monday and Friday shall be considered as working days. \(^2\) In cases where the student is unable to sit an examination due to illness, a certificate from an official medical examiner (vertrauensärztliches Attest) may be required by the Examinations Committee. The certificate must be submitted to the Examinations Office. \(^3\) In case of withdrawal from an examination due to illness after the examination has started, the student must submit a certificate from an official medical examiner to the Examinations Office without delay. \(^4\) Once a student has declared that
they wish to withdraw they may not revoke this declaration; registration to the examination shall be canceled once the declaration is submitted and the student shall no longer be entitled to take the examination. 5The consequences of a delayed or invalid withdrawal shall be governed by Section 14 (1).

Section 12 Admissions Committee for the Master’s Degree Program

(1) With the exception of the Master’s degree program in Data Science, the evaluation of the qualification and admission requirements for the Master’s degree program shall be the responsibility of a joint admissions committee appointed in accordance with (2) for the Master’s degree programs at the Department of Mathematics. 2The admissions committee for the Master’s degree program in Data Science shall be appointed separately according to (3).

(2) Pursuant to Section 1 (1), the Admissions Committee shall consist of the chairperson and two other professors from the Department of Mathematics as well as a research associate in principal employment at the University. 2The members shall be appointed by the Department Council for a term of office of three years; re-election shall be permitted. 3Section 9 (4) and (5) shall apply accordingly.

(3) The admissions committee for the Master’s degree program in Data Science shall consist of three full members and one non-voting member. 2The chairperson shall be a professor at the Department of Mathematics at the Faculty of Sciences. 3One other full member shall be a professor at the Department of Computer Science at the Faculty of Engineering. 4The third full member and the non-voting member shall be research associates from both the departments mentioned above.

Section 13 Accreditation of Skills

(1) Study periods, modules, course and examination achievements achieved in other degree programs at FAU or at other public or state-approved universities in the Federal Republic of Germany, through successful participation in a distance course as part of a degree program at a public or state-approved university in the Federal Republic of Germany, or in degree programs at foreign universities shall be accredited according to these examination regulations unless there are significant differences in the skills acquired. 2The same shall apply to study periods, course and examination achievements achieved at a public or state-approved university in Bavaria in the course of other study programs within the meaning of Section 56 (6)(1) and (2) BayHSchG, in special study programs within the meaning of Section 47 (3)(1) BayHSchG, or at the Virtual University of Bavaria.

(2) Skills acquired in programs for professional development as defined by Section 56 (6)(3) BayHSchG, or outside of higher education shall be accredited if they are equivalent to skills acquired through university studies. 2Skills acquired outside the university sector shall replace no more than half of the required skills of which students must provide proof.

(3) The grades achieved in approved modules, examinations and course achievements shall be transferred if they were awarded according to Section 20 and are recognized as equivalent according to the recommendations in the anabin database (information portal for the recognition of foreign qualifications offered by the Standing Conference of the Ministers of Education and Cultural Affairs (KMK)). 2If the grading system which is applied to examinations sat at a university or equivalent institution of
higher education and accredited by FAU is deemed to be equivalent according to sentence 1 but is not identical to the grading system set forth in Section 20, the grades achieved at other universities are usually converted according to the following formula: 

\[ x = 1 + 3 \left( \frac{N_{\text{max}} - N_d}{N_{\text{max}} - N_{\text{min}}} \right) \]

with 

- \( x \) = converted grade
- \( N_{\text{max}} \) = best grade attainable
- \( N_{\text{min}} \) = lowest grade for passing
- \( N_d \) = grade attained.

3 Only one decimal place is shown for the grades thus calculated. 4 If conversion is not possible, the Examinations Committee usually determines a system by which to calculate the grades.

(4) The documents needed for this accreditation shall be submitted to the chairperson of the Examinations Committee. Subject to the provisions in sentence 3, the student shall have a legal claim to accreditation if the conditions stipulated in (1) and (2) are met. Accreditation is only possible if the student has not already lost the right to be examined in that subject at FAU by passing or failing to pass the relevant examination at the final attempt. If a student requests accreditation, the decision shall rest with the chairperson of the Examinations Committee after consultation with the subject representative appointed by the department; the decision shall be issued in writing.

Section 14 Consequences of Delayed Withdrawal, Breach of Regulations, Fraud, Exclusion from Further Participation

(1) An examination achievement shall be graded as 'nicht ausreichend' (unsatisfactory; 5.0) if the student withdraws from the examination after the withdrawal period (cf. Section 11 (3)) without good reasons. Section 8 (3) shall not be affected. Section 11 (3) sentences 2 to 5 shall apply accordingly. If the Examinations Committee accepts the reasons, the examination must be sat on the next possible date.

(2) In case of an attempt to commit fraud or to influence the result of an examination through the use of unauthorized materials, the examination in question shall be graded 'nicht ausreichend' (unsatisfactory, 5.0).

(3) Persons who disturb the orderly examination process may be excluded from continuing the examination by the authorized examiner or the supervising person; in this case the examination achievement in question shall be graded 'nicht ausreichend' (unsatisfactory, 5.0).

(4) In case of a repeated or severe breach of regulations in the sense of paragraphs (1) or (2), the Examinations Committee may exclude students from further participation in the examination.

Section 15 Revocation of Degrees

The revocation of Bachelor’s and Master’s degrees shall be governed by Section 69 BayHSchG.

Section 16 Faults in the Examination Process

(1) Should it turn out that the examination process was faulty in a manner that influenced the result of the examination, it shall be ordered upon a student’s request that a certain student or all students shall resit the examination or parts of the same.
(2) Faults in the examination process shall be reported to the chairperson of the Examinations Committee or the examiner without delay.

(3) Six months after completion of the examination, resit examinations may no longer be ordered as stipulated in paragraph (1).

**Section 17 Written Examination, Change in Examination Form, Multiple Choice Examinations**

(1) 1In written examinations students are required to prove that they are capable of identifying a problem within a limited period and with limited materials, using the conventional methods employed in their field, and to find a solution to this problem. 2Written examination achievements may take the form of written examinations, multiple choice examinations, written assignments, seminar papers or electronic examinations.

(2) 1Changing the examination form from an (electronic) written examination to an oral examination may be possible in exceptional circumstances after the semester has started if the respective degree program and examination regulations allow for both forms of examinations and the teaching concept of a module has been changed accordingly at short notice. 2The decision shall be taken by the module coordinator. 3They shall inform students at the latest two weeks after lectures begin if the examination is to be an oral examination instead of an (electronic) written examination. 4The form of the resit examination in semesters in which the teaching unit is not held shall follow the form taken by the examination in the semester in which the teaching unit was last held. 5Resit examinations in semesters in which the teaching unit is held shall follow the examination form chosen for the semester in question. 6Students who are unable to attend a written examination on the regular date as they are completing a semester abroad may, in consultation with the respective examiner, apply for an alternative date for an oral examination, provided the change of examination form is compatible with the learning outcome of the module. 7The decision shall be taken by the Examinations Committee. 8Proof of the intended study stay abroad must be submitted together with the application.

(3) The duration of the written examination shall be governed by the relevant degree program and examination regulations.

(4) 1Written examinations shall be graded by the author of the examination questions unless stipulated otherwise in the degree program and examination regulations. 2If a written examination achievement is graded as ‘nicht ausreichend’ (unsatisfactory) it shall be presented to a second examiner for evaluation. 3The examiner’s evaluation must be documented in writing and reasons for the final grade must be made clear. 4Evaluations shall usually be presented within six weeks.

(5) 1Written examinations may take the form of multiple-choice examinations (with one or more possible correct answers), either in full or in part. 2Detailed information on the modules with multiple choice examinations is given in the module handbook. 3The examinee shall state which of the answers to the questions they deem to be correct. 4Examination questions must allow for reliable examination results. 5When drawing up the examination questions, it shall be specified which of the answers shall be accepted as correct. 6If the question does not allow multiple answers, multiple answers shall be inadmissible and disregarded. 7Before the evaluation of the examination results, at
least two of the authors of the examination shall assess whether the examination questions meet the requirement set out in sentence 4. Should they determine that individual examination questions are faulty, these shall not be taken into account in the evaluation of the examination result; the number of examination questions shall be considered to have been reduced. This reduction of the number of examination questions must not result in disadvantages for any of the examinees. No minus points may be awarded outside of individual examination questions.

(6) The examinations according to (4)(1) shall be considered to have been passed if:
1. the examinee answered at least 60 percent of the examination questions correctly/achieved at least 60 percent of the attainable points, or
2. the examinee answered at least 50 percent of the examination questions correctly/achieved at least 50 percent of the attainable points and the number of correct answers/points obtained is no more than 17 percent below the average number of correct answers/points obtained by all examinees sitting the examination for the first time.

2If sentence 1(2) is applied, the Dean of Studies shall be notified.

(7) In case of written examinations that are not entirely composed of multiple choice questions, paragraphs (4) and (5) shall only apply to the respective part.

Section 18 Oral Examination, Change in Examination Form

(1) In oral examinations students must demonstrate both general and specific knowledge of the subject being tested. Oral examinations shall be conducted in the presence of an observer appointed by the examiner.

(2) The duration of oral examinations shall be governed by the relevant degree program and examination regulations.

(3) Changing the examination form from an oral examination to an (electronic) written examination may be possible in exceptional circumstances after the semester has started if the respective degree program and examination regulations allow for both forms of examinations and the teaching concept of a module has been changed accordingly at short notice. The decision shall be taken by the module coordinator. They shall inform students at the latest two weeks after lectures begin if the examination is to be an (electronic) written examination instead of an oral examination. The form of the resit examination in semesters in which the teaching unit is not held shall follow the form taken by the examination in the semester in which the teaching unit was last held. Resit examinations in semesters in which the teaching unit is held shall follow the examination form chosen for the semester in question.

(4) In oral examinations in the presence of several authorized examiners, each examiner shall determine the grade according to Section 20.

(5) A record shall be kept of the oral examination; this shall include the following: Place, date and duration of the examination; name of the module to which the examination belongs and number of ECTS credits allocated to the module; subject and result of the examination; the names of the examiners, the observer and the student; and any special occurrences. The record shall be signed by the authorized examiners and the observer. It shall not be necessary to record the questions asked in the examination or the answers given. The record shall be stored for at least two years.
Section 18a Talks and Presentations

(1) In presentations and talks, students should prove that they are capable of working independently on a scientific topic, presenting it clearly for a particular audience and defending their point of view in expert discussions. Presentations and talks are assessed on the basis of content, verbal presentation, conduct during the discussion and, if applicable, performance during the preparation of the presentation. The supervisor for the presentation/talk should as a rule be appointed as an examiner. If several authorized examiners pursuant to Section 10 (1) attend a presentation/talk, there shall be no need to include an observer.

(2) Section 18 (2) (4) and (5) shall apply accordingly.

(3) Presentations may be declared as public in the degree program and examination regulations or in the module handbook; in this case listeners shall be permitted without the restriction stipulated in Section 18 (5).

Section 19 Electronic Examinations

Examinations may be administered in electronic form. Detailed information on the modules in which examinations are in electronic form is given in the module handbook. Electronic examinations (e-examinations) are examinations which are administered and evaluated via computer or using digital technology. The authenticity and integrity of the examination results shall be verified. Automatically calculated evaluations of examination achievements shall be verified by one examiner at the request of the examinee or two examiners in case of a failed examination.

Section 20 Evaluation of Examinations, Grades, Final Grade

(1) The evaluation of individual examinations shall be expressed by the examiners with the following grades:

<table>
<thead>
<tr>
<th>Grade (in words)</th>
<th>Grade</th>
<th>Explanation</th>
</tr>
</thead>
<tbody>
<tr>
<td>sehr gut (very good)</td>
<td>= (1.0 or 1.3)</td>
<td>an outstanding achievement</td>
</tr>
<tr>
<td>gut (good)</td>
<td>= (1.7 or 2.0 or 2.3)</td>
<td>an achievement that exceeds the requirements considerably</td>
</tr>
<tr>
<td>befriedigend (satisfactory)</td>
<td>= (2.7 or 3.0 or 3.3)</td>
<td>an achievement that fulfills average requirements;</td>
</tr>
<tr>
<td>ausreichend (sufficient)</td>
<td>= (3.7 or 4.0)</td>
<td>an achievement that fulfills the requirements despite flaws</td>
</tr>
<tr>
<td>nicht ausreichend (unsatisfactory)</td>
<td>= (4.3 or 4.7 or 5.0)</td>
<td>an achievement that no longer fulfills requirements due to considerable flaws.</td>
</tr>
</tbody>
</table>

An examination (Section 6 (2)) has been passed if it has received at least the grade ‘ausreichend’ (sufficient). For ungraded examinations (Section 6 (3)(4)) the result shall be either ‘bestanden’ (pass) or ‘nicht bestanden’ (fail). Except when otherwise stipulated in the degree program and examination regulations, a module examination shall have been passed when all parts of the examination or partial achievements (Section 6 (2)(3)) have been passed. Sentence 2 is not affected. If an examination has several examiners or consists of several parts or partial achievements, the total grade is calculated from the weighted average of the individual grades; the grading system described in sentence 1 shall not be used. One decimal place shall count towards the module grade; further decimal places shall be omitted without being rounded.

(2) Multiple choice examinations (single and/or multiple correct answers) shall be evaluated as follows: Students who answer the required minimum of examination questions correctly or attain the minimum number of attainable points according to Section 17 (5)(1) shall receive the grade:
1.0 (sehr gut/very good) if at least 75 percent of the remaining questions were answered correctly or remaining points were achieved,
2.0 (gut/good) if at least 50 percent but less than 75 percent of the remaining questions were answered correctly or remaining points were achieved,
3.0 (befriedigend/satisfactory) if at least 25 percent but less than 50 percent of the remaining questions were answered correctly or remaining points were achieved,
4.0 (ausreichend/sufficient) if none or less than 25 percent of the remaining questions were answered correctly or remaining points were achieved.

The grades can be increased or decreased by increments of 0.3 according to the percentage; the grades 0.7, 4.3 and 4.7 shall not be awarded.

Students who do not achieve the required minimum shall receive the grade 5.0.

Notwithstanding Sentence 4, in addition to the grade 5.0, the grades 4.3 and 4.7 may also be awarded in cases in which examinations according to Section 17 (6) partly take the form of a multiple choice examination.

(3) The Grundlagen und Orientierungsprüfung (GOP) shall have been passed if the requirements stipulated in Section 27 of these examination regulations and in the relevant degree program and examination regulations have been fulfilled.

(4) The overall grade of the Bachelor’s examination, the Master’s examination and the modules shall be as follows:
- at an average of up to 1.5 = sehr gut (very good)
- at an average of over 1.5 and up to 2.5 = gut (good)
- at an average of over 2.5 and up to 3.5 = befriedigend (satisfactory)
- at an average of over 3.5 and up to 4.0 = ausreichend (sufficient)
- at an average of over 4.0 = nicht ausreichend (unsatisfactory).

(5) Unless stipulated otherwise in the relevant degree program and examination regulations, the module grades shall be calculated from the average grades achieved in the examinations within the meaning of Section 6(2)(3); paragraph (1)(5)(2) and sentence 6 shall apply accordingly.
If there is only one graded examination in a module, this grade shall be the grade for the module.
If the examination is not graded, the successfully completed module shall have the result ‘bestanden’ (pass).

(6) Unless otherwise stipulated in the relevant degree program and examination regulations, all module grades of the Bachelor’s or Master’s degree program shall be included in the calculation of the final grade of the Bachelor’s or Master’s examination, weighted according to their ECTS credits.

Section 21 Invalidity of Examinations

(1) If fraudulent methods were used during the examination and if this only becomes known after the certificate has been awarded, the Examinations Committee may correct the grade retrospectively and declare the examination as having been failed in part or in full.

(2) If the requirements for admission to the examination were not fulfilled while no fraudulent acts were committed willfully, these circumstances shall be considered remedied by the passing of the examination.
(3) Students shall be given the opportunity to make a statement before a decision is taken.

(4) 1The incorrect certificate shall be withdrawn; a new certificate shall be issued if applicable. 2A decision according to paragraph (1) and paragraph (2) shall be excluded after a period of five years starting with the certificate’s date of issue.

Section 22 Inspection of Examination Records
(1) After the completion of the individual examination procedures, students shall on request be entitled to inspect their written examination papers, the corresponding reviews by the examiners, and the examination records.

(2) 1Students shall submit the request to the examination body responsible within one month of being notified of their grades. 2Unless the Examinations Office is responsible, the examiner shall allow the inspection; further details shall be decided by the Examinations Committee. 3Students prevented from observing the deadline according to (1) through no fault of their own shall be granted full restitution according to Section 32 of the Bavarian Administrative Procedures Act (BayVwVfG).

Section 23 Final Academic Record, Transcript of Records, Diploma Supplement, Grade Distribution Table, Degree Certificate
(1) 1Students who have successfully completed a degree program shall receive a final academic record, a transcript of records, a diploma supplement, a grade distribution table and a degree certificate, generally within four weeks. 2The certificate shall be signed by the chairperson of the Examinations Committee.

(2) 1The final academic record shall contain the modules and module grades and the final grade of the Bachelor’s or Master’s examination; it shall also cite the topic of the Bachelor’s or Master’s thesis. 2The transcript of records lists all modules attended; the final academic record and the transcript of records may be combined into one document. 3The transcript of records and the diploma supplement shall be issued in English and German. 4Information not yet available to the Examinations Office must be submitted together with the required proof by the time of the degree program’s completion at the latest; otherwise this information may no longer be taken into consideration for the documents listed in paragraph (1).

Section 24 Notification of Failed Examinations
1Students who fail the Bachelor’s or Master’s examination at the final attempt shall receive notification that the examination has been failed at the final attempt, including information on legal remedies available. 2Students can also print off an overview of their grades achieved in the individual modules in the examination administration system.

Section 25 Adjustments to Examination Arrangements
(1) 1The examination procedure shall be adjusted to take into account the nature and extent of a student’s disability. 2Students with a doctor’s certificate showing credibly that they are either partially or fully incapable of sitting the examination in the intended manner due to long-term or permanent disabilities which do not affect the performance which is being tested shall be entitled to be granted permission by the chairperson of the Examinations Committee to have this disadvantage offset by working time being
extended accordingly or the examination process being structured differently. However, care must be taken to ensure that the examination is still suitable to provide evidence of skills which are being assessed by the examination.

(2) Adjustments to examination arrangements may be made for pregnant students if the student submits a medical certificate confirming that she will be at least 30 weeks pregnant by the examination date to the Examinations Committee responsible at least four weeks before the examination date.

(3) Decisions according to paragraphs (1) and (2) shall only be taken by the chairperson of the Examinations Committee upon written request. The student may be required to submit an official certificate from a medical examiner (vertrauensärztliches Attest) proving the fulfillment of the conditions in paragraph (1). Applications for adjustments to examination arrangements shall be made to the Examinations Committee if possible at the latest four weeks before the examination, but certainly before the examination.

Part II: Bachelor’s Examination

Section 26 Admission Requirements for Examinations

(1) Students enrolled in a Bachelor’s degree program shall be deemed as admitted to the Bachelor’s examination and the module examinations of which the Bachelor’s examination consists, unless admission is to be refused. Admission shall be refused if:
1. Requirements are not met or certificates are not submitted at all or not in due time as stipulated in the special provisions of these examination regulations and in the degree program and examination regulations,
2. the GOP, the Bachelor’s examination, the Diplom intermediary examination, the Diplom examination, the intermediary examination or the Magister examination in the same subject or in a similar subject or in one of the subjects of the teaching degree programs for Gymnasium that correspond to the degree program subject according to these examination regulations has been failed at the final attempt,
3. It has been ordered that the student is to be de-registered, resulting in the revocation of the student’s right to sit the examination.

(2) If admission to the examinations is to be refused, the decision shall be taken without delay, furnished with reasons and information on legal remedies available, and announced to the student.

Section 27 Grundlagen- und Orientierungsprüfung (GOP)

(1) In the Grundlagen- und Orientierungsprüfung (GOP), students should prove that they:
− can fulfill the requirements of an academic course of study in the chosen subjects
− have acquired the methodological skills required to continue their studies successfully.

(2) The GOP shall have been passed when at least 30 ECTS credits have been earned from the modules designated as part of the GOP in the relevant degree program and examination regulations and all requirements stipulated in the relevant degree pro-
gram and examination regulations have been fulfilled. The relevant degree program and examination regulations shall specify the subject, type and scope of the GOP.

Section 28 Bachelor’s Examination
1 The degree program and examination regulations shall specify the subjects, type and scope of the Bachelor’s examination. The Bachelor’s examination shall have been passed if all subject modules required according to the relevant degree program and examination regulations have been passed achieving 180 ECTS credits.

Section 29 Bachelor’s Thesis
(1) 1 The Bachelor’s thesis is intended to show that the student is capable of dealing with a problem from their field independently according to academic methods within a set period and presenting the results in an appropriate form. 2 Students are awarded 10 ECTS credits for the Bachelor’s thesis.

(2) 1 Unless the relevant degree program and regulations state otherwise, university lecturers in principal employment at the Department of Mathematics for the degree program in question shall be entitled to assign Bachelor’s theses (supervisors). 2 The Examinations Committee shall have the right to grant exceptions.

(3) 1 Students shall ensure that they are allocated a subject for their Bachelor’s thesis in time to observe the deadlines set forth in Section 8, usually at the start of the last semester in the regular duration of studies. 2 The relevant degree program and examination regulations govern the requirements for admission to the Bachelor’s thesis. 3 The Examinations Office shall be notified of the subject and the date of allocation. 4 Should a student, despite a genuine effort to that end, not be allocated a subject, the chairperson of the Examinations Committee shall, in consultation with a representative of the student’s department, allocate a subject and a supervisor to the student.

(4) 1 The period between being allocated the subject and submitting the Bachelor’s thesis (standard thesis work period) shall be two months. 2 The scope of the subject must be such that it can be completed within the standard thesis work period. 3 The Examinations Committee shall have the right to extend the period for the thesis by a maximum of one month upon receiving a justified request (in particular if the student has experienced technical problems). 4 If a student submits a doctor’s certificate proving that they are incapable of working on the thesis due to illness, the period for thesis work shall be suspended temporarily.

(5) 1 The subject of the Bachelor’s thesis may only be returned once and within the first three weeks of the thesis work period; returning the subject shall not be permitted for repetitions of the Bachelor’s thesis. 2 If the subject is returned where it is not admissible, the Bachelor’s thesis shall receive the evaluation ‘nicht ausreichend’ (unsatisfactory; 5.0).

(6) 1 Unless otherwise stipulated in the degree program and examination regulations, the thesis shall be written in German, or in English with the permission of the supervisor. 2 With the supervisor’s agreement, the chairperson of the Examinations Committee may permit students to write the thesis in a different language upon request.
(7) 1The thesis shall be submitted to the Examinations Office and the supervisor in a machine-readable, electronic version. At least one printed copy shall also be submitted to the supervisor. 2The Bachelor’s thesis shall include a declaration by the student confirming that the thesis is an original work and that no other sources or materials than the ones listed were used.

(8) 1The Bachelor’s thesis is usually graded by the supervisor. 2The thesis shall be evaluated in writing and a grade given pursuant to Section 20 (1). 3The chairperson of the Examinations Committee shall usually work towards the thesis being graded within one month.

(9) 1If a Bachelor’s thesis is given the grade ‘nicht ausreichend/unsatisfactory, it may be repeated once; a second repetition or revision shall not be permitted. 2The student shall ensure that they receive a new subject for the repetition of the thesis within two months following the announcement that the original thesis was graded unsatisfactory; otherwise the thesis shall be regarded as having been failed at the final attempt. 3Paragraphs 1 and 2, paragraph 3 sentence 4 and paragraphs 4 to 8 shall apply accordingly in the case of a repetition.

Section 30 Resitting Examinations, Changing Modules

(1) 1With the exception of the GOP and the Bachelor’s thesis, every module examination or partial module examination may be resat twice; course achievements may be repeated without restriction. 2The resit examination shall be limited to the failed examination or course achievement. 3Examinations that are part of the GOP according to the respective degree program and examination regulations may only be resat once; Section 29 (9) shall apply to repetition of the Bachelor’s thesis. 4The resit examination must be sat on the next possible date, which shall generally be in the semester following the first examination. 5The student shall be considered as registered for the next resit examination. 6Students shall be obliged to check the status of their registration in the examination administration system regularly and inform the Examinations Office immediately of any discrepancies. 7The resit period shall not be interrupted by de-registration or leave of absence. 8If a student misses the resit examination or the resit period is not observed, the examination shall be deemed to have been failed unless the Examinations Committee grants the student a respite due to special reasons beyond the student’s control. The standard deadlines according to Section 8 shall not be interrupted. 9The provisions regarding maternity protection, parental leave and caregiver leave (Section 8(2)) shall apply.

(2) 1Voluntarily resitting a passed examination of the same module shall not be permitted. 2Unless the degree program and examination regulations state otherwise, alternative modules may be completed to replace failed modules; the failed attempts in the previous alternative module shall not be counted.

Section 30a Additional Modules

(1) 1Additional modules are modules included in the degree program (e.g. elective modules, key qualifications) that are attended within the examination periods as stipulated in Section 8 in addition to successfully completed modules. 2If a student completes additional modules of the degree program at FAU, the student shall decide which of the modules shall go into the calculation of the final grade. 3Students shall notify the Examinations Office of their decision at the latest eight weeks before the degree certificate is issued. 4This decision is binding. 5If no choice is made and if there
are different modules from which to choose, the Examinations Office shall use the module with the better grade for the calculation.

(2) ¹Modules from other degree programs offered as partial qualifications for this degree program are also classed as additional modules. ²Examination procedures for such modules are governed by the regulations stipulated in the examination regulations for the degree program containing the additional module. ³Additional modules pursuant to (2) are not included in the final grade, but are shown in a separate section of the transcript of records. ⁴If the student files a request with the Examinations Office at the latest eight weeks before certificates are issued, individual additional modules may be omitted from the final certificate.

Part III: Master’s Examination

**Section 31 Qualification for a Master’s Degree Program**

(1) ¹In order to qualify for admission to a Master’s degree program, students must have:

1. An undergraduate degree from a university that is subject-specific, subject-related or relevant to the specific Master’s degree program or another equivalent German or non-German qualification with equivalent content,

2. Passed the qualification assessment process according to the Appendix.

²The relevant degree program and examination regulations for the Master’s degree program stipulate which qualifications are considered subject-specific, subject-related or equivalent pursuant to sentence 1 item 1.

(2) ¹Degrees according to (1)(1)(1) and (1)(2) must be equivalent to the subject-specific Bachelor's examination according to these examination regulations and the relevant degree program and examination regulations with regard to the expertise gained. ²If there are significant differences which can be compensated for, the Admissions Committee may grant admission under the condition that proof of further achievements worth up to a maximum of 20 ECTS credits and to be determined by the Admissions Committee be submitted within one year of taking up studies for a Master’s degree. ³Admission in this case shall be granted conditionally.

(3) ¹Paragraph 1(1) notwithstanding, students enrolled in a Bachelor’s degree program may be admitted to a Master’s degree program if they have achieved at least 140 ECTS credits. ²Proof of the successfully completed Bachelor’s degree must be submitted at the latest within one year of taking up the Master’s degree program; completing the Bachelor’s degree program is a prerequisite for formally starting the Master’s degree program. ³Admission to the Master’s degree program shall be granted conditionally.

**Section 32 Admission to Examinations**

¹Students enrolled in the Master’s degree program shall be considered admitted to the Master’s examination and the module examinations of which the Master’s examination consists, unless admission is to be refused. ²Admission shall be refused if:

1. Requirements are not met or certificates are not submitted at all or not in due time as stipulated in the special provisions of these examination regulations and in the degree program and examination regulations,
2. The Diplom, Magister or Master’s examination in a degree program classed according to the degree program and examination regulations as being in a related subject has been failed at the final attempt,

3. It has been ordered that the student is to be de-registered, resulting in the revocation of the student’s right to sit the examination.

Section 26 (2) shall apply accordingly.

Section 33 Master’s Examination

1. The Master’s examination shall consist of all module examinations throughout the degree program including the Master’s thesis module. The relevant degree program and examination regulations may stipulate that the Master’s thesis is to be complemented by a final oral examination in the same module (Master’s colloquium). The Master’s examination shall have been passed if all required module examinations and the Master’s thesis module have been passed. Modules which have already been the subject of a Bachelor’s examination cannot usually be accredited as part of the Master’s examination due to the specific subject skills that must be gained as part of the qualification goals of the Master’s degree program.

(2) The relevant degree program and examination regulations shall specify the subjects, type and scope of the Master’s examination.

Section 34 Master’s Thesis

1. The Master’s thesis is a graded written assignment that concludes the Master’s degree. It is intended to show that the student is capable of dealing with a problem from their field independently and according to scientific methods within a set period. The Master's thesis may not to any significant degree be identical to a previously submitted Diplom, Bachelor's, Master's or doctoral thesis (prevention of plagiarism). According to the provisions set forth in the respective degree program and examination regulations, 25 or 30 ECTS credits are awarded for the Master’s thesis module.

(2) Students shall ensure that they are allocated a subject for their Master’s thesis in time to observe the deadlines set forth in Section 8, usually at the start of the last semester in the regular duration of studies. The subject and the date of its allocation shall be confirmed by the supervisor and presented to the Examinations Office. Should a student not be allocated a subject, despite a genuine effort to that end, the chairperson of the Examinations Committee shall, in consultation with a representative of the student’s department, allocate a subject and a supervisor to the student. The degree program and examination regulations may stipulate conditions for allocating a Master’s thesis.

(3) Unless the degree program and examination regulations state otherwise, university lecturers in principal employment at the University involved in the degree program in question at the Department of Mathematics shall be entitled to assign Master’s theses. The Examinations Committee shall have the right to grant exceptions. The Examinations Committee may permit students to write their Master’s thesis at an institution outside the University if supervision there is ensured.

(4) The time between the selection of a subject and the submission of the Master’s thesis shall be six months; the scope of the subject must be such that it can be dealt with within this period. The Examinations Committee shall have the right to extend the
period for the Master’s thesis by a maximum of three months upon receiving a justified request (in particular if the student has experienced technical problems). If a student submits a doctor’s certificate proving that they are incapable of working on the Master’s thesis, the period for thesis work shall be suspended temporarily.

(5) 1The subject may only be returned once with good reason and with the approval of the chairperson of the Examinations Committee within the first third of the period for thesis work. 2Otherwise the Master’s thesis shall be graded ‘nicht ausreichend’ (unsatisfactory; 5.0) if the subject is returned; it shall be regarded as rejected.

(6) 1The Master’s thesis shall be written in German or English. 2Sentence one notwithstanding, students in the Master’s degree program in Computational and Applied Mathematics taught in English must write their Master’s thesis in English. 3In exceptional cases, the Examinations Committee may allow exceptions from the provisions set forth in sentences 1 and 2. 4The Master’s thesis shall contain a summary of results at the end. 5The design of the title page shall follow the template provided by the Examinations Committee. 6The Master’s thesis shall include a declaration by the student confirming that the thesis is an original work and that no other sources or materials than the ones listed were used. 7The Master’s thesis shall be submitted at the same time to the Examinations Office and the supervisor in a machine-readable, electronic version. At least one printed copy shall also be submitted to the supervisor and one to the second reviewer. 8If the Master’s thesis is not submitted in time, it shall be graded ‘nicht ausreichend’ (unsatisfactory; 5.0); it shall be regarded as rejected.

(7) The Master’s thesis is usually graded by the supervisor and a further authorized examiner as a second reviewer; Section 29 (8) sentences 2 and 3 shall apply accordingly.

(8) 1The Master’s thesis shall be accepted if it receives at least the grade ‘ausreichend’ (sufficient). 2It shall be rejected if it receives the grade ‘nicht ausreichend’ (unsatisfactory).

(9) 1If the Master’s thesis is rejected or if it is regarded as rejected, it may be repeated once; a second repetition shall not be permitted. 2The student shall ensure that they receive a new subject for the repetition of the Master’s thesis within the semester following the announcement of the rejection at the latest; otherwise the Master’s thesis shall be regarded as having been failed at the final attempt. 3Paragraphs 1 and 2 sentences 2 and 3 and paragraphs 3 to 8 shall apply accordingly for the repetition of the Master’s thesis; returning the subject shall not be permitted. 4The chairperson of the Examinations Committee may permit the student to submit a revised version of the Master’s thesis within two months of the announcement of its rejection provided the student agrees and this has not been ruled out after the review. A revised version may not under any circumstances be submitted if the Master’s thesis was rejected on grounds of fraud and plagiarism. 5If revision of the thesis is permitted, paragraph 1, paragraph 2 sentences 2 and 3 and paragraphs 3 to 8 shall apply accordingly.
(10) Provisions that deviate from paragraphs 1–9 may be agreed upon within the framework of dual degree agreements or degree program co-operations.

Section 35 Resitting Examinations, Changing Modules, Additional Modules
Unless stipulated otherwise in the degree program and examination regulations Sections 30 and 30a shall apply accordingly for resitting examinations, changing modules and taking additional modules.

Part IV: Final Provisions

Section 36 Legal Validity, Transitory Provisions
(1) These examination regulations shall come into effect on the day after their publication. They shall apply to students starting a degree program from the winter semester 2015/2016 onwards. Notwithstanding sentence 2, Sections 7, 8 (2), 13, 17, 19, 20, 25 and 25 of these examination regulations shall also apply to students who are already studying the Bachelor’s and Master’s degree programs in Mathematics, Industrial Mathematics and Economics and Mathematics in accordance with the previously valid examination regulations of September 7th 2007 as amended on July 30th 2010. With the exception of the provisions listed above, these students shall sit their examinations in accordance with the previously valid examination regulations. Students who are already studying the Bachelor’s and Master’s degree programs in Mathematics, Industrial Mathematics and Economics and Mathematics in accordance with the previously valid examination regulations of September 7th 2007 as amended on July 30th 2010 and who entered the Bachelor’s degree program in the winter semester 2014/2015 or later are given the option of accepting these examination regulations in their entirety by filing an application to this effect with the Examinations Office on or before November 30th 2015. By agreeing to these examination regulations, students automatically agree to the relevant degree program and examination regulations.

(2) The examination regulations for the Bachelor’s and Master’s degree programs in Mathematics, Industrial Mathematics and Economics and Mathematics at FAU dated September 7th 2007 as amended on July 30th 2010 shall cease to apply as of September 30th 2023.

(3) The second amendment statute shall come into effect on the day after its publication. It shall apply to all examinations which students are entitled to sit for the first time from winter semester 2019/2020 (first attempt).

(4) The third amendment statute shall come into effect on the day after its publication. It shall apply to all examinations which students are entitled to sit for the first time from winter semester 2020/2021 (first attempt). Notwithstanding sentences 1 and 2, the amendments regarding the Bachelor’s degree program in Data Science shall apply only to all students starting a degree program in Data Science from winter semester 2020/2021 onwards. Notwithstanding sentences 1 to 3, the amendments regarding the Master’s degree program in Data Science shall apply to all students starting a Master’s degree program in Data Science from winter semester 2021/2022 onwards.
(5) The fourth amendment statute shall come into effect on the day after its publication.
Appendix

Qualification assessment process for the Master’s degree programs in Data Science, Mathematics, Computational and Applied Mathematics and Economics and Mathematics at the Faculty of Sciences at FAU.

(1) The qualification assessment process for the relevant Master’s degree program shall be carried out once before the start of the lecture period of the semester preceding the regular start of a degree program.

(2) 
1. Applications for the qualification assessment process must be submitted to the Master’s Office by July 15th for the winter semester and January 15th for the summer semester. The application shall include:
   1. A certificate proving that the applicant holds a university degree according to Section 31 (1)(1)(1) (final academic record, transcript of records, diploma supplement or comparable documents),
   2. For applicants who have not yet obtained their Bachelor's degree (Section 31(3)): a transcript of records demonstrating that at least 140 ECTS credits have been obtained,
   3. Where applicable, further documents as proof of fulfillment of the requirements set forth in the relevant degree program and examination regulations.

(3) 
1. In accordance with Section 12, qualification assessment shall be the responsibility of the Admissions Committee.
   2. The Admissions Committee may transfer the task of coordinating and carrying out the process to individual members unless otherwise stated.
   3. The Admissions Committee shall fulfill its obligations in cooperation with the Master’s Office.

(4) 
1. Admission to the qualification assessment process shall be subject to the timely and complete submission of the documents listed in paragraph (2).
   2. The qualification assessment process shall be carried out with those applicants who fulfill the requirements according to the provisions in paragraph (5).
   3. Applicants who are rejected shall receive a rejection notification including reasons and information on legal remedies available.

(5) 
1. Unless stipulated otherwise in the degree program and examination regulations, the qualification assessment process shall be conducted in accordance with the following provisions.
   2. The Admissions Committee shall select applicants based on the submitted documents as part of the qualification assessment process to assess whether they are qualified for a Master’s degree program.
   3. The Admissions Committee shall deem the applicant qualified based on submitted documents if the final grade of the subject-specific or subject-related/equivalent degree fulfill the provisions under Section 31 (1)(1)(1), sentence 2 or in the case of Section 31 (3) if the student has achieved an average of 3.0 (satisfactory) or better in their previous achievements; for degrees graded on the basis of a different grading system Section 13 (3) sentences 1 to 3 shall apply accordingly.
   4. Applicants who cannot be admitted to the Master’s degree program on the basis of their submitted qualifications alone shall be invited to a selection interview.
   5. Sentence 2 notwithstanding, individual degree program and examination regulations can specify whether candidates with a degree from a related subject or an equivalent degree shall have to pass an oral admission examination before
they can be admitted to the Master’s degree program. The date of the selection interview shall be announced at least one week in advance. If an applicant should be unable to attend due to reasons beyond their control, a second date may be set upon justified request up until two weeks before the start of the lecture period. The oral admission examination is an individual interview which lasts approximately 20 minutes. With the applicant’s approval, the oral admission examination may be conducted as a video conference. It shall be conducted by two university lecturers from the Department of Mathematics appointed by the Admissions Committee. Section 18 (4) shall apply accordingly. The oral admission examination is intended to demonstrate in particular that the applicant possesses the required technical and methodological expertise and can be expected to carry out independent academic work in a more research-oriented degree program; the individual degree program and examination regulations shall specify the criteria of the examination. The result of the oral admission examination and the qualification assessment process will be given as ‘bestanden’ (pass) or ‘nicht bestanden’ (fail). Applicants will be notified of the result in writing. A rejection notification shall include reasons and information on the legal remedies available. It will not be possible to repeat the qualification assessment process on the basis of the documentation submitted with the first application.

(6) Applicants shall bear their own costs of the qualification assessment process.

(7) Confirmation of passing the qualification assessment process shall remain valid indefinitely, provided that the Master’s degree program has not been changed significantly.