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Technische Universität Dresden
Biotechnologisches Zentrum

**Examination Regulations
for the consecutive Master's program
Regenerative Biology and Medicine**

of 10.08.2016

Pursuant to Article 34 of the Law on Institutions of Higher Education in the Free State of Saxony (Sächsisches Hochschulfreiheitsgesetz - SächsHSFG) of January 15, 2013 (SächsGVBl. p.3), amended by article 24 of the law of December 18, 2013 (SächsGVBl. p. 970, 1086), the Technische Universität Dresden enacts the examination regulations below as statutes.

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I. General provisions

§ 1

Standard period of study

The standard period of study for the master's program Regenerative Biology and Medicine comprises attendance of classes, periods of self-study, practicals under supervision as well as the master's examination.

§ 2

Structure of examinations

The master's examination consists of the module examinations, the master's thesis and the defense. A module is concluded with a module examination which usually consists of several examination requirements. The examinations are held continuously throughout the program.

§ 3

Time limits and deadlines

(1) The Master's examination shall be taken within the standard period of study. If the Master's examination has not been taken within four semesters after the end of the standard period of study, it is deemed as failed. A failed Master's examination can be repeated once within one year. After this deadline has elapsed, it is deemed as failed again. The Master's examination may be re-taken once again at the next possible examination date. After that it is deemed as definitively failed.

(2) The examinations shall be taken before the end of the semester that is defined for the module in the study schedule.

(3) The Technische Universität Dresden ensures by the study regulations and the range of courses offered that the course requirements and module examinations as well as the master thesis and the defense can be completed in the period defined in the examination regulations. The students shall be informed in due time about the type and number of the course requirements and module examinations as well as the dates at which these must be fulfilled or taken, and also about the date of issue and submission of the Master's thesis and the defense. The students must also be informed about the repetition dates of each examination.

(4) Times of maternity and parental leave are neither subject to time limits nor are they taken into account as regards current time limits.

§ 4

General admission requirements and admission procedure

(1) The Master's examination can only be taken by a student who

1. has enrolled for the Master's program Regenerative Biology and Medicine at the Technische Universität Dresden and
2. has proven the requirements (§24) and
3. has submitted an electronic confirmation with respect to par. 4 no. 3

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- (2) The students need to register for the examinations and assignments. Type and time limits of the registration are specified by the examination committee and are announced generally at the beginning of the semester and at the latest four weeks before the start of the enrolment period as is customary at the Biotechnology Center.
- (3) The admission is granted
1. based on the first registration for an examination/assignment with respect to module examinations.
 2. based on the registration for the thesis topic or in case of § 19, no.3, sent. 5 with the issue of the topic, with respect to master thesis.
 3. based on the submission of the master's thesis with respect to the defense.
- (4) The admission is refused if
1. the requirements defined in par.1 or the procedural regulations pursuant to par.2 are not fulfilled or
 2. the application is incomplete or
 3. the student has definitively failed an examination that is required for the passing of the master program Regenerative Biology and Medicine .
- (5) The examination committee decides about the admission. The decision may be announced publicly. §16 par. 4 remains unaffected.

§ 5

Types of examinations

- (1) Examinations may be taken as
1. written examinations (§6)
 2. oral examinations (§7)
 3. presentations (§8) and/or
 4. other types of examinations (§9)
- Examinations based on a multiple choice procedure are excluded.
- (2) Course requirements and examinations shall be conducted in English.
- (3) If the student furnishes prima facie evidence that he is unable to sit for all or part of the examinations due to prolonged or permanent physical disability/sickness, the chairperson of the examination committee can permit examinations to be taken within a prolonged period or in a different form. Submission of a medical certificate and, in cases of doubt, an official medical certificate, is generally required.
- (4) If the student furnishes prima facie evidence that he is unable to fulfil course requirements or examinations due to care of his own children below 14 years or care of close relatives, the head of the examination committee permits him upon application to take the examination in a different form. Close relatives are children, parents, grandparents, and marriage or life partners. In agreement with the examiner, the head of the examination committee decides about the alternative type of examination according to his best judgement. Alternatives may be e.g. postponement of deadlines, breaks, use of different media, an alternative location within the

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university or an alternative examination date.

§ 6

Written examinations

(1) The student shall prove in written examinations or other written papers that he can solve problems and work on a topic within a limited time and with limited auxiliary means and the current methods of the field.

(2) Written examinations, which must be successfully passed in order to pursue the study program, shall generally be evaluated by two examiners, at least in the case of the last attempt. The grade is the arithmetic mean of the individual results pursuant to §10 par. 1. The evaluation procedure shall not exceed four weeks.

(3) The duration of written examinations is defined in the module descriptions. Their duration shall generally be min. 90 minutes and max. 180 minutes.

§ 7

Papers

(1) Through papers, the students are supposed to prove their competence in working on selected questions with the help of professional literature and other work materials within a limited amount of time. Further, they need to prove they know the basics of scientific working.

(2) §6 par. 2 apply mutatis mutandis.

(3) Papers may have a maximum work duration of 200 hours. The precise duration is set in the module descriptions.

§ 8

Oral examinations

(1) In oral examinations the student shall prove that he has an overview of the subject area of examination and is able to put special problems into context. Furthermore, the student shall prove that he has an adequate basic knowledge that demonstrates the progress of studies.

(2) Oral examinations are generally conducted by at least two examiners (board examination) or one examiner in the presence of an associate examiner (§17) as individual examinations or group examinations with up to 5 students.

(3) Oral examinations have a duration of 15 to 30 minutes. The exact duration is defined in the module descriptions.

(4) The essential subjects and results of the oral examinations shall be noted down in a protocol. The student shall be informed of the result immediately after the oral examination.

(5) Students who sit for the same examination at a later examination date shall be admitted to listen, space permitting, unless the candidate objects. Attendance is not possible during the discussion of the examiners about the examination performance and the announcement of the result to the student.

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§ 9

Other types of examinations

(1) Other examinations are evaluated by the same standards and their requirements and duration, if applicable, are specifically defined in the module descriptions. Other types of examinations are written tests, protocols and presentations.

(2) A protocol is a formalized report on realized experiments and the obtained results. A presentation is a media-supported demonstration of obtained results. In a written test, the student is supposed to show that he is able to answer questions from a selected area without any resources within a limited amount of time.

(3) § 6 par. 2 applies mutatis mutandis to other written examinations. § 7 par. 2 and par. 4 applies mutatis mutandis to other non-written examinations.

§ 10

Evaluation of examinations, calculation and weighting of marks, announcement of examination results

(1) The grades obtained for the individual examinations are determined by the relevant examiners. The following grades shall be used:

1 = very good:	an excellent performance;
2 = good:	a performance well above average requirements;
3 = satisfactory:	a performance fulfilling the average requirements;
4 = sufficient:	a performance fulfilling the requirements despite some deficiencies;
5 = insufficient:	a performance which does not fulfil the requirements due to significant deficiencies.

To differentiate the evaluation of the examinations, intermediate values can be formed by lowering or raising the individual grades by 0.3. The grades 0.7, 4.3, 4.7 and 5.3 do not exist.

(2) The module grade is the arithmetic mean of the grades for the individual parts of the examination, weighted according to the specifications in the module description. Only the first decimal place is considered. All other decimal places are deleted without truncation. The module grade is:

for an average up to and including 1.5	=	very good
for an average of 1.6 up to and including 2.5	=	good
for an average of 2.6 up to and including 3.5	=	satisfactory
for an average of 3.6 up to and including 4.0	=	sufficient
for an average above 4.1	=	insufficient.

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(3) An overall grade for the Master's examination is calculated. The overall grade is calculated by the weighted arithmetic mean of the final grade for the master thesis with thirtyfold weight and the module marks, weighted according to the ECTS credits granted pursuant to Article 25 par. 1. The final grade of the master thesis is composed of the grade for the thesis with double weight and the grade for the defense with simple weight. Par. 2 sent. 2 and 3 applies to the designation of the overall and final grades. If the overall mark is 1.2 or better, the examination committee awards the rating "passed with distinction".

(4) The overall grade is additionally listed as a relative grade according to the ECTS grading scale.

(5) The modalities of announcing the exam results are to be communicated to the students in a way that is customary at the Biotechnology Center.

§ 11

Default, rescission, deceit, breach of regulation

(1) The examination is deemed to be evaluated as "insufficient" (5.0) if the student does not appear for an examination that is binding for him or if he rescinds from the examination without a good cause. This also applies if an examination is not taken within the prescribed time limit.

(2) The good reason brought forward for the rescission or the unexcused absence must be immediately notified to the examination office in written form and prima facie evidence must be furnished. If the student is sick, submission of a medical certificate, in case of doubt issued by a medical health officer, is generally required. With respect to deadlines for the first-time registration for the exams, repetition of exams, unexcused absence from the exams and observance of deadlines, illness of an own child that is mostly reared by the student is regarded as equivalent to the sickness of the student. If the reason brought forward is accepted, a new examination date is scheduled. The existing results of the examination shall be recognized in this case. The examination committee decides about the acceptance of the rescission or approval of the reason brought forward for the unexcused absence.

(3) If the student attempts to influence the examination results by deceit or the use of means that are not permitted, the respective examination is deemed to be "insufficient" (5.0). A student who disturbs the due course of examinations can be excluded from the examination by the respective examiner or supervisor; in this case the examination is deemed to be "insufficient" (5.0). In severe cases the examination committee can exclude the student from taking any further examinations.

(4) Par. 1 to 3 apply mutatis mutandis to master thesis and defense.

§ 12

Passing and failure

(1) A module examination is passed if it is evaluated as "sufficient" (4.0) or better. In this case the ECTS credits as specified by the respective module description are granted.

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(2) A student has passed the Master's examination if he has passed all the module examinations and the Master's thesis and defense. Master thesis and defense are passed, if they are evaluated as "sufficient" (4.0) or better.

(3) A module examination is failed, if the module grade is worse than "sufficient" (4.0). A module examination consisting of more than one examination requirement is deemed as failed in the first attempt if it is clear that pursuant to § 10 par. 2 an average of minimum "sufficient" (4.0) cannot be obtained mathematically any more.

(4) A module examination is definitively failed if it has not been graded with at least "sufficient" (4.0) and cannot be repeated any more. Master thesis and defense are definitively failed if they have not been graded with at least "sufficient" (4.0) and a repetition is not possible any more.

(5) The master's examination is (definitively) failed if either one module examination or the master thesis or the defense are (definitively) failed. § 3 par. 1 remains unaffected.

(6) If the student has failed a module examination or the thesis or defense have been evaluated as worse than „sufficient" (4.0), he is informed whether and, if applicable, in which scope and in which time he may repeat the respective.

(7) If the student has failed the Master's examination, upon request he may receive an attestation that contains the examinations taken and the marks obtained as well as the missing examinations, if applicable, and clearly states that the Master's examination has been failed. The student's application must include the relevant documents as well as the ex-matriculation attestation.

§ 13

Trial examination

(1) Module examinations of the Master's examination can be taken before the time limits defined in the study schedule if all admission requirements are fulfilled (trial examination).

(2) Module examinations or examinations that have been evaluated as "sufficient" (4.0) or better can be repeated once at the following regular examination date upon application to improve the grade. In this case the better grade is taken into account. Form and deadline of registration are defined by the examination committee and are announced by customary means at the Biotechnology Center. After the next regular examination date or after the registration deadline has elapsed, another trial for the improvement of the grade is not possible. Examinations which have been evaluated with "sufficient" (4.0) or better will be taken into account upon request when the module examination is repeated.

(3) A module examination that has been failed in the trial examination is deemed as not taken. Examinations that have been evaluated with "sufficient" (4.0) or better are taken into account in the following examination procedure. If the student opts for retaking the exam in order to improve his grade pursuant to par. 2, the better grade is taken into account.

(4) Beyond § 3 par. 4 periods during which the studies have been interrupted due to illness of the student or a child that is mostly reared by himself as well as periods of studying abroad are not taken into account with respect to the time limit for the trial examination.

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§ 14

Repetition of module examinations

- (1) Failed module examinations can be retaken once within one year after completion of the first examination attempt. The deadline starts counting from the date when the examination results have been announced. When this time limit has expired, they are again deemed as failed. An examination that has not been graded yet pursuant to §12 par. 3 sent. 2 can be repeated once more at the next regular examination date, if the repeated module examination pursuant to sent. 1 has been failed because one examination has been graded with below "sufficient" (4.0). The failure due to expired time limit pursuant to §3 par. 1 sent. 2 is also regarded as an evaluation of the examination. If examinations are repeated pursuant to sent. 4, it is regarded as first repetition of the module examination.
- (2) A second repetition examination is only possible at the next possible examination date. After that the module examination is deemed as definitively failed. Another attempt is not permitted.
- (3) If a failed module examination consists of several examinations, only those examinations must be repeated which have been evaluated as below "sufficient" (4.0).
- (4) The repetition of a passed module examination is only permitted in cases pursuant to § 13 par. 2 and comprises all parts of the examination.
- (5) Failed attempts of the module examination in the same or other programs are taken into account.

§ 15

Recognition of study periods, course and examination achievements as well as non-university qualifications

- (1) Study periods, course and examination achievements done at an Institution of Higher Education are recognized as equivalent upon application, unless the gained qualifications are considered substantially different. Agreements of the Technische Universität Dresden, of the HRK (German Rectors Conference), KMK (Conference of the Ministers of Education and Cultural Affairs) as well as the ones ratified by the Federal Republic of Germany have also to be considered.
- (2) Non-university qualifications are recognized upon application if they are equivalent. Equivalence is given if content, scope and requirements are largely equivalent to parts of the Master's program of Regenerative Biology and Medicine at TU Dresden. Equivalence is not determined by a schematic comparison but by an overall consideration and overall assessment. Non-university qualifications can substitute for max. 50% of the curriculum.
- (3) Study periods, course and examination achievements are recognized without assessment of their equivalence if they have been obtained in the same master's program in the Federal Republic of Germany.
- (4) University study periods, course and examination achievements can be recognized as equivalent even in case of substantial differences, should the content and qualification aims

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correspond to the aim of one elective the master's program and this way correspond to a structural equivalence. On the degree certificate, the study and examination achievements actually performed will be listed.

(5) If course and examination achievements are recognized pursuant to par. 1, 3 or 4 or non-university qualifications are recognized pursuant to par. 2, study periods are also recognized ex officio. If the grading scales are comparable, the grades shall be taken over and included in the calculation of the overall grade. If the grading systems are not comparable, the mention "passed" is added. They shall not be considered in the calculation of the overall grade. Identification of the recognition in the final transcript is permitted.

(6) Decisions about recognition of study periods, course and examination achievements are taken by the examination committee. The student needs to furnish the documents required for recognition. As of application for recognition by the student, the procedure and decision-making on recognition should not exceed one month duration. In case of non-recognition, § 16 par. 4 sent. 1 applies.

§ 16 Examination committee

(1) An Examination committee shall be appointed for the organization of the examinations as well as for the tasks assigned by these examination regulations for the Master's program Regenerative Biology and Medicine . 4 professors, 1 scientific assistant and 2 students are members of the Examination committee. The term of the members from the teaching side is generally three years; that of the student members is generally one year.

(2) The chairperson of the committee, his substitute, the other non-student members as well as their substitutes are appointed by the Scientific Board of the BIOTEC. The student is appointed upon proposal of the responsible departmental student council. The chairperson of the committee generally manages the issues related to the Examination committee.

(3) The Examination committee ensures that the provisions of the examination regulations are adhered to. It regularly reports to the Scientific Board of the BIOTEC about the development of examination and study periods including the actual periods of writing the Master's thesis as well as the distribution of module and overall marks. The report shall be disclosed in a suitable way by the TU Dresden. The Examination committee makes suggestions for the reform of the study and examination regulations, the module descriptions and the study schedule.

(4) Incriminating decisions must be substantiated and the student shall be instructed about his legal remedies available. The Examination committee is the appeal authority to decide on appeals filed against its decisions and issues objection notices.

(5) The members of the Examination committee have the right to attend examinations and defenses.

(6) The members of the Examination committee and their substitutes are obliged to official secrecy. If they do not work in the public sector, they shall be obliged to official secrecy by the chairperson of the committee.

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(7) On the basis of the decisions of the Examination committee the examination office organizes the exams and administrates the exam documents.

§ 17

Examiners and associate examiners

(1) The examination committee appoints as examiners university professors and other persons who are entitled to conduct examinations according to the State law. Only a person who has passed the final Master's examination of an institution of higher education or an equivalent examination may be appointed as associate examiner.

(2) The student has the right to propose the supervisor of his master thesis and the examiners for oral examinations and the defense. The proposal constitutes no claim.

(3) The names of the examiners shall be notified to the candidate in due time.

(4) § 16 par. 6 applies mutatis mutandis to examiners and associate examiners.

§ 18

Purpose of the Master's examination

The successful completion of the Master's examination concludes the professional qualification in the course. It proves that the student has the in-depth and profound knowledge and abilities which meet the subject-related and interdisciplinary scientific requirements.

§ 19

Issue, submission, evaluation and repetition of the Master's thesis and the defense

(1) The Master's thesis shall demonstrate that the student is able to deal with problems from the field of Regenerative Biology and Medicine independently using scientific methods within a given time limit.

(2) The topic of the Master's thesis can be issued and supervised by every professor or any other person entitled to conduct examinations according to State law, if he is represented in the Master's program Regenerative Biology and Medicine at TU Dresden. If the Master's thesis is to be completed and supervised in an institution outside the university, the chairperson of the examination committee must give his consent.

(3) The examination committee issues the topic of the Master's thesis. The topic and the time of issuance need to be documented. The student may propose topics. Upon application of the student the examination committee arranges for the timely issuing of the thesis topic. The topic needs to be issued at the latest at the beginning of the semester following the last module examination.

(4) The topic can be returned once and only within two months after the date of issue. In case of a repetition of the master's thesis, the return of the topic is only permitted if the candidate

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has not made use of this possibility when writing his first thesis. In case the student returns his topic, he will receive a new one without delay and according to par. 3 sent. 1 to 3.

(5) The Master's thesis can be a group project if the individual part of each student can be identified and graded without ambiguity on the basis of clearly marked paragraphs, page numbers or other objective criteria and if the requirements of par. 1 are fulfilled.

(6) The Master's thesis needs to be submitted in 3 typed and bound copies in English language and as a digital copy on an adequate data medium to the examination office within the given time limit. The time of submission needs to be documented. On submission, the student needs to confirm in writing that he has written his thesis – or in case of a group project his part - independently and has used no other than the indicated sources and means.

(7) The Master's thesis shall be evaluated independently by two examiners pursuant to § 10 par. 1. One of the examiners has to be participating in the master's program Regenerative Biology and Medicine. The supervisor of the thesis shall be one of the examiners. The evaluation procedure shall not exceed four weeks.

(8) The grade for the Master's thesis is the average of the 2 grades given by the 2 examiners. If the grades of the two examiners differ by more than 2 grades, the average only counts if both examiners agree. If this is not the case, the examination committee requests another evaluation by a third examiner. In this case the grade for the Master's thesis is the average of all 3 grades. § 10 par. 2 sent. 2 and 3 apply mutatis mutandis.

(9) If one of the examiners has graded the thesis with "sufficient" (4.0) or better and the other with "insufficient" (5.0) the examination committee requests another evaluation by a third examiner. This evaluation decides about pass or fail. If the thesis is evaluated as pass, the grade for the master thesis is the average of the both grades that are pass, otherwise it is the average of the two votes for fail. § 10 par. 2 sent. 2 and 3 apply mutatis mutandis.

(10) The Master's thesis can only be repeated once within one year if it has been evaluated with below "sufficient" (4.0).

(11) The student needs to defend the results of his work in a public colloquy/defense in front of an examination board which consists of the supervisor of the thesis and an examiner. Further examiners may be consulted. Par. 10 as well as § 7 par. 4 and § 10 par. 1 apply mutatis mutandis.

§ 20

Transcript and Master's certificate

(1) The student is issued a final transcript immediately, if possible within four weeks. The transcript shall list the module grades pursuant to §25 par. 1, the topic, supervisor and grade of the Master's thesis as well as the overall grade and – if §10 par. 3 sent. 4 applies - the rating "passed with distinction". The annex lists all individual examination performances. Upon request of the student the grades of additional modules and the duration required to complete the program can be added in the transcript.

(2) Along with the transcript, the student is awarded the Master's certificate with the date of the transcript. The Master's certificate authenticates the award of the academic degree of

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“Master of Science”. The Master’s certificate is signed by the Rector and the chairperson of the examination committee and bears the seal of the Technische Universität Dresden. In addition, the student receives English translations of the certificate and the transcript.

(3) The transcript indicates the date of the day on which the last examination pursuant to § 12 par. 2 was taken. It is signed by the chairperson of the examination committee and bears the seal of the Biotechnology Center of TU Dresden.

(4) The Technische Universität Dresden issues a Diploma Supplement (DS) in compliance with the “Diploma Supplement Model” of the European Union/European Council /UNESCO. To describe the national educational system (DS section 8), the text agreed between the Standing Conference of the Ministers of Education and Cultural Affairs and the German Rectors Conference shall be used in the applicable version.

§ 21

Invalidity of the Master’s examination

(1) If the student has cheated in an examination and this fact is disclosed only after the award of the certificate, the grade of the examination can be corrected pursuant to § 11 par. 3. If applicable, the module examination and the Master’s examination can be declared as “failed” by the examination committee. The same applies to the Master’s thesis and defense.

(2) If the requirements for sitting in an examination were not fulfilled without the student’s intention to cheat and this fact is disclosed only after the award of the certificate, this cheating is remedied by the successful examination. If the student has deliberately wrongfully effected the participation in an examination, the module examination and the Master’s examination can be declared as “failed” by the examination committee. The same applies to Master’s thesis and defense.

(3) Before a decision is taken, the student shall be given the opportunity to comment.

(4) The wrong transcript shall be withdrawn by the chairperson of the examination committee and, if applicable, a new one shall be awarded. Along with the incorrect transcript the Master’s degree certificate and the Diploma Supplement shall be withdrawn if the Master’s examination has been declared as “failed” due to deceit. A decision pursuant to par.1 and par. 2 sent. 2 or 3 is excluded after a time limit of five years to be counted from the issuing date of the transcript.

§ 22

Inspection of examination files

Inspection of the written examinations, the evaluations relating to them and the examination protocols shall be granted to the student upon request within one year after completion of the examination procedure.

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II Specific provisions

§ 23

Duration, structure and scope of the program

- (1) The standard period of study is four semesters pursuant to § 1.
- (2) The structure of the program is modular and is concluded with the master's thesis and the defense.
- (3) By passing the Master's examination incl. the modules, thesis and defense the student is awarded 120 credit points.

§ 24

Requirements for the Master's examination

The topic of the Master's thesis is issued if at least 68 of the total 90 credit points in the modules have been acquired and that at least 8 module examinations have been passed. The Master's thesis needs to be submitted before the defense.

§ 25

Subject, type and scope of the Master's examination

(1) The Master's examination consists of all examinations of the obligatory modules and the examinations of the chosen elective module as well as the Master's thesis and the defense.

(2) The obligatory modules are

1. Stem Cells, Development and Regeneration
2. Genetic and Quantitative Analysis of Stem Cell Biology
3. Organ Systems and Disease
4. Model Organism Research
5. Cell and Organ Based Research
6. Molecular Biology Research
7. Light and Electron Microscopy
8. Clinical Translation and Trials in Practice
9. Scientific Working Methods and Conduct.

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(3) The type and scope of the examinations of each module are defined in the module descriptions. Subject of the examinations are the topics and acquired qualifications of each module unless specified differently in the module descriptions.

(4) The student may choose to take examinations in additional modules to the ones specified in par. 1. These examinations may be chosen from the complete course offer of TU Dresden or a cooperating university. They are neither taken into account for the overall workload for the student nor for the overall grade.

§ 26

Period of completion for the Master's thesis and duration of the defense

(1) The period of completion for the Master's thesis is 22 weeks; 29 credits are awarded. Topic, problem and scope of the Master's thesis must be defined by the supervisor in such a way that the time limit for its completion can be observed. In individual cases the examination committee can extend the deadline exceptionally by max. two months for well-founded reasons. The number of credits remains unaffected by the deadline extension.

(2) The defense has a duration of 30 minutes, 1 credit point is awarded.

§ 27

Master's Degree

Students who have successfully completed their Master's examination are awarded the academic degree of "Master of Science" (abbreviated form "M.Sc.").

III. Final Provisions

§ 28

Entry into force, publication and transitional rules

These examination regulations shall enter into force on August 10 2016 and be published in the Official Publications (Amtliche Bekanntmachungen) of the Technische Universität Dresden.

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Enacted on the basis of the resolution of the Scientific Board of the Biotechnology Center of Technische Universität Dresden on 02.05.2016 and the approval of the Rectorate of TU Dresden on 17.05.2016.

Dresden, den 10.08.2016

Der Rektor
der Technischen Universität Dresden

Prof. Dr.-Ing. habil. DEng/Auckland Hans Müller-Steinhagen