

Technische Universität Dresden
Faculty of Biology

**Examination Regulations
for the Bachelor's degree program in Molecular Biology and Biotechnology
from winter semester 2023/2024**

Consolidated version of the [Official Announcement](#) of August 7, 2018, the [First Amending Statute of the Examination Regulations](#) of March 23, 2021, and according to § 6 para. 6 of the Study Regulations the resolution of the Faculty Board of May 13, 2020, May 5, 2021, July 6, 2022, November 2, 2022 and April 5, 2023.

This is valid for all students enrolled in the Bachelor's degree program in Molecular Biology and Biotechnology.

Please note that the English translation is provided for information purposes only. The English text is not legally binding. Only the original German document has legal validity. The official language at TU Dresden is German. German jurisdiction applies.

Examination Regulations for the Bachelor's degree program in Molecular Biology and Biotechnology

as of August 7, 2018
(translated version)

On the basis of § 34 para. 1 sentence 1 of the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony in the version published on January 15, 2013 (SächsGVBl. p. 3), Technische Universität Dresden issues the following Examination Regulations as statutes.

Table of contents

Part 1: General regulations

- § 1 Standard period of study
- § 2 Examination structure
- § 3 Deadlines and dates
- § 4 General admission requirements and admission procedures
- § 5 Types of examined assessments
- § 6 Written examinations
- § 7 Seminar papers
- § 8 Project work
- § 9 Oral examinations
- § 10 Oral presentations
- § 11 Other examined assessments
- § 12 Assessment of examined assessments, calculation and weighting of grades, publication of examination results
- § 13 Non-appearance/Non-submission, withdrawal, cheating, violation of rules and regulations
- § 14 Passing and failing
- § 15 Re-taking module examinations
- § 16 Recognition of study achievements and examined assessments, periods of study, and qualifications obtained outside a university
- § 17 Examination Committee
- § 18 Examiners and assessors
- § 19 Purpose of the Bachelor's examination
- § 20 Purpose, issuance, submission, assessment and re-submission of the Bachelor's thesis and colloquium
- § 21 Examination certificate and Bachelor's degree certificate
- § 22 Invalidity of the Bachelor's examination
- § 23 Access to examination documents

Part 2: Subject-specific regulations

§ 24 Duration, structure and scope of the degree program

§ 25 Subject-specific requirements for the Bachelor's examination

§ 26 Subject, nature and scope of the Bachelor's examination

§ 27 Time permitted for the Bachelor's thesis and duration of the colloquium

§ 28 Bachelor's degree

Annex Modules of the elective compulsory field

Part 1: General regulations

§ 1

Standard period of study

The standard period of study for the Bachelor's degree program in Molecular Biology and Biotechnology includes on-site attendance, self-study and the Bachelor's examination.

§ 2

Examination structure

The Bachelor's examination consists of module examinations as well as the Bachelor's thesis and the colloquium. A module is concluded by a module examination, which consists of at least one examined assessment. Examined assessments are accomplished throughout the program.

§ 3

Deadlines and dates

(1) The Bachelor's examination shall be taken within the standard period of study. A Bachelor's examination that has not been taken within four semesters following the standard period of study will be considered as failed. A failed Bachelor's examination can be repeated once within one year. Following the expiration of this deadline, it is deemed as failed again. A second repeat examination is only possible the next time it is held, thereafter the Bachelor's examination is deemed to be irrevocably failed.

(2) Module examinations shall be taken by the end of the semester stated in the study schedule.

(3) Technische Universität Dresden, through its study regulations and courses offered, ensures that study achievements and examined assessments as well as the Bachelor's thesis and the colloquium can be completed within the specified periods of time. Students will be informed in good time and about the nature and the number of the required study achievements and examined assessments as well as about the respective deadline; the same holds true for the issuing and submitting of the Bachelor's thesis and the date of the colloquium. For each module examination, students will also be informed about the respective opportunity to repeat the examination.

(4) During maternity leave, deadlines do not apply and the leave is not counted towards current deadlines. Regarding the claim for parental leave, please refer to § 12 para. 2 of the Enrollment Regulations of Technische Universität Dresden.

§ 4

General admission requirements and admission procedures

(1) Students can only be admitted to the Bachelor's examination according to § 2 sentence 1 if

1. they are enrolled in the Bachelor's program Molecular Biology and Biotechnology at Technische Universität Dresden, and
2. have proven the subject-specific requirements (§ 25), and
3. have made a declaration regarding para. 4 no. 3 either in writing or recorded in a data processing system.

(2) In order to submit examined assessments, students must register. Later withdrawal is possible without the obligation to provide a reason. Procedures and the deadline for registration and withdrawal are specified by the Examination Committee and published at the beginning of each semester and announced by the Faculty in the usual manner.

(3) Admission is granted

1. to a module examination on the basis of the first registration for an examined assessment of this very module examination, and
2. to the Bachelor's thesis on the basis of a student's request for issuance of the topic, or if § 20 para. 3 sentence 5 applies, upon issue of the topic, and
3. to the colloquium based on the assessment of the Bachelor's thesis with a grade of at least "pass" (4.0).

(4) Admission is denied if

1. the requirements stated in para. 1 or the rules of procedure stated in para. 2 are not met, or
2. the documents are incomplete, or
3. the student has already irrevocably failed an examination required for the completion of the Bachelor's degree program Molecular Biology and Biotechnology.

(5) Admissions decisions will be taken by the Examination Committee. The announcement thereof may be public. § 17 para. 4 remains unaffected.

§ 5

Types of examined assessments

(1) Examined assessments are completed in the form of

1. written examinations (§ 6),
2. seminar papers (§ 7),
3. project work (§ 8),
4. oral examinations (§ 9).
5. oral presentations (§ 10) and/or
6. other examined assessments (§ 11).

Written multiple-choice examinations are excluded.

(2) Studies and examinations must be completed in German or, if indicated by the module descriptions, in English. If, according to the module description, a module primarily serves to acquire foreign language qualifications, studies and examined assessments may also have to be completed in the respective foreign language if required by the assignment.

(3) If a student proves that, due to extended or permanent physical impairment or chronic illness, they are unable to accomplish an examined assessment or parts thereof in the stipulated form, the Examination Committee will approve, upon request, an extension or an equivalent manner to complete the examined assessment (compensation for disadvantages). For this purpose, the student may be required to submit a medical certificate and, in cases of doubt, an official medical certificate by a public health officer (*Amtsarzt*).

(4) If a student proves that, due to taking care of their own children until they reach the age of 14 or caring for close relatives, examinations cannot be taken as stipulated, the Examination Committee, upon request, will approve an equivalent method for taking the examination. Close relatives are children, parents, grandparents, spouses, and civil partners. The Examination Committee,

in consultation with the responsible examiner, will decide, at their due discretion, on how the examination is to be taken. The Examination Committee shall decide on an appropriate measure to compensate for the disadvantages. Suitable measures to compensate for the disadvantages are, for example, extended time allowance, extended breaks, use of other media, use of other examination rooms within the university or another examination date.

§ 6

Written examinations

(1) Written examinations are intended for students to prove that they are able to resolve tasks and analyze topics drawing on the required fundamental knowledge and using the standard methods of the degree program with time constraints and with limited resources.

(2) Written examinations that students are required to pass in order to continue their studies shall be marked by two examiners as a general rule, however, in the case of repeat examinations, two examiners are compulsory. The grade is calculated as the average of the individual grades according to § 12 para. 1; whereby only the first decimal point is taken into account, all other decimals are omitted without rounding. In cases pursuant to § 12 para. 3, the assessment shall correspond to the matching individual assessments pursuant to § 12 para. 1 sentence 4; if the individual assessments do not match, § 20 para. 9 sentences 1 and 2 shall apply. The time for assessing the examination shall not exceed four weeks.

(3) The duration of the written examinations is specified in the module descriptions and shall be no less than 90 minutes and shall not exceed 180 minutes.

§ 7

Seminar papers

(1) Seminar papers are intended to demonstrate the student's competence in dealing with selected issues on the basis of specialist literature and other sources. Furthermore, they are intended to assess whether students are familiar with the basic techniques of scientific work.

(2) For seminar papers, § 6 para. 2 shall apply accordingly.

(3) Seminar papers may not exceed a time requirement of 30 hours. The specific scope is determined in each case in the module descriptions. Derived from this, the deadline for submission is to be determined as part of the assignment.

§ 8

Project work

(1) Project work generally demonstrates the ability to work in a team and, in particular, to develop, implement and present concepts. The student shall demonstrate the competence to define goals for an overarching task and to develop interdisciplinary solutions and concepts.

(2) For written project work, § 6 para. 2 shall apply accordingly.

(3) The time required for the project work is specified in each case in the module descriptions and amounts to a maximum of four weeks. Derived from this, the deadline for submission is to be determined as part of the assignment.

(4) If the project work consists of teamwork, the individual contributions must be clearly identifiable and assessable and must meet the requirements set out in para. 1. If parts of the project work are performed orally, § 9 para. 4 sentence 1 shall apply accordingly.

§ 9

Oral examinations

(1) Oral examinations are intended to demonstrate the student's competence to recognize the interdependences of the examined subject and to be able to place particular issues within these correlations. Furthermore, they are intended to determine whether the student possesses the fundamental knowledge appropriate to the level of their studies.

(2) Oral examinations are usually taken in the presence of at least two examiners (colleague examination) or one examiner and one expert assessor (§ 18) as group examinations with up to three persons or as individual examinations as specified in the module descriptions.

(3) Oral examinations shall run for 15 to 30 minutes. The specific duration is determined in each case in the module descriptions.

(4) The main points and results of the oral examination shall be recorded in a protocol. The result is to be announced to the student directly after the oral examination.

(5) Students who wish to take the same examination at a later date shall be admitted as listeners if the facilities allow for this, unless the student to be examined objects. The admitted listeners are not entitled to participate in the deliberation and the announcement of the examination results.

§ 10

Oral presentations

(1) Oral presentations are intended for students to prove their ability to prepare specific academic questions and present them, according to the research task.

(2) § 6 para. 2 shall apply accordingly. The lecturer responsible for the course in which the oral presentation is assigned and, if applicable, presented, shall be one of the examiners. If the oral presentation is held, § 9 para. 4 sentence 1 shall apply accordingly.

(3) The time required for the preparation of the oral presentation is specified in each case in the module descriptions and amounts to a maximum of 15 hours. Derived from this, the deadline for submission or presentation is to be determined as part of the assignment.

§ 11

Other examined assessments

(1) Students shall provide proof of defined learning outcomes through other specifically determined examination forms (other examined assessments) that can be assessed according to equal standards, and are described in the module descriptions including requirements and duration or time frame. If a time scope is given, the resulting deadline shall be specified when assigning the task. Other examined assessments comprise practical course reports and portfolios. The practical course report is a formalized account of the procedures and results of a practical course, in which the student demonstrates their ability to present the progress or results achieved in an appropriate manner. Portfolios serve to demonstrate, by means of a compilation of similar or disparate individual papers, the student's ability to place the aspects of professional, scientific activity that are specified by the respective task in an overarching context. The details of the individual papers will be announced at the beginning of each semester by the Faculty in the usual manner.

(2) For written other examined assessments, § 6 para. 2 shall apply accordingly.

§ 12

Assessment of examined assessments, calculation and weighting of grades, publication of examination results

(1) Assessments of the individual examined assessments are determined by the responsible examiners. The following grades shall be used:

1 = very good	= a very good performance;
2 = good	= a performance considerably exceeding average requirements;
3 = satisfactory	= a performance that meets average requirements;
4 = pass	= a performance that meets the requirements despite some inadequacies;
5 = fail	= a performance that does not meet the requirements because of grave inadequacies.

For a more differentiated assessment, individual grades can be raised or lowered by 0.3 to obtain intermediate values; whereby the grades 0.7, 4.3, 4.7 and 5.3 are excluded. An individual examined assessment is solely assessed as "passed" or "failed" (ungraded examined assessment) if the relevant module description provides an exception for this. Ungraded examined assessments that are assessed as "passed" do not enter into further grade calculations; ungraded examined assessments assessed as "failed" receive the "fail" (5.0). They are then included in further grade calculations.

(2) The module grade is calculated as the average of the individual examination grades which may be weighted as specified in the module descriptions. Only the first decimal point is taken into account, all further decimals are removed without rounding. On the basis of the averages, the module grades are:

1.5 and better	= very good
1.6 to 2.5	= good
2.6 to 3.5	= satisfactory
3.6 to 4.0	= pass
4.1 and worse	= fail.

If a module examination is not passed due to an examined assessment relevant to passing the examination pursuant to § 14 para. 1 sentence 2, the module grade shall be "fail" (5.0).

(3) Module examinations that solely consist of an ungraded examined assessment are assessed as "passed" or "failed" in accordance with the grading of the examined assessment (ungraded module examinations). Ungraded module examinations do not enter into further grade calculations.

(4) For the Bachelor's examination, an overall grade is calculated. The final grade of the Bachelor's examination is calculated on the basis of the final grade of the Bachelor's thesis with a 36-fold weighting and the module grades weighted according to the credit points pursuant to § 26 para. 1. The final grade of the Bachelor's thesis is composed of the grade of the Bachelor's thesis with four-fold weight and the grade of the colloquium with single weight. For the overall and final grades, para. 2 sentences 2 and 3 shall apply accordingly.

(5) Additionally, the overall grade of the Bachelor's examination is indicated as a relative grade corresponding to the ECTS grading scale.

(6) The modalities for the announcement of the examination results will be communicated to the students by the Faculty in the usual manner.

§ 13

Non-appearance/Non-submission, withdrawal, cheating, violation of rules and regulations

(1) An examined assessment is deemed to be "fail" (5.0) or "failed" if a student fails to appear for or withdraws from a compulsory examination without due justification. The same shall apply when an examined assessment is not completed within the specified period of time.

(2) The given reason for non-appearance, non-submission, or withdrawal shall be immediately communicated and justified in writing to the Examination Office. In case of illness, the student normally shall provide a doctor's note and, in cases of doubt, a note from a public health officer (*Amtsarzt*). With regard to deadlines for the first entry into examinations, re-taking of examinations, reasons for non-appearance at examinations and the adherence to submission periods, the illness of a child in need of care who is mainly cared for by the student shall be equivalent to the illness of the student themselves. If the reason is accepted, a new date is set. In this case, already existing examination results shall be considered. Acceptance of the withdrawal or the reason for non-appearance or non-submission is subject to the decision of the Examination Committee.

(3) If a student attempts to manipulate the result of the examined assessment by cheating, e.g. by bringing or using illicit aids, the examination concerned is deemed to be assessed as "fail" (5.0) upon detection by the Examination Committee. Ungraded examinations shall be assessed as "failed" accordingly. A student who is disrupting the normal proceedings of an examination may be excluded from the examination by the respective examiner or proctor; in this case, the examination is given the grade "fail" (5.0) or assessed as "failed". In serious cases, the Examination Committee may exclude the student from taking any further examinations.

(4) If, during an examination, a student has cheated and this is only detected after the publication of the result, the Examination Committee may change the result of the examination to the grade "fail" (5.0) or assess it as "failed" and subsequently change the module grade according to § 12 para. 2. If the requirements for taking a module examination have not been met and the student was not at fault, this irregularity is rectified by passing the module examination. If the student intentionally and unduly obtained admission to an examination, the Examination Committee may assess the module examination as "fail" (5.0) or "failed". In serious cases, the Examination Committee may exclude the student from taking further examinations.

(5) Para. 1 to 4 shall apply accordingly to the Bachelor's thesis and the colloquium.

(6) If the student declares in writing to the Examination Office that they wish not to take the examination, this examination will be considered "fail" (5.0) or "failed" in the respective examination attempt. The waiver is irrevocable and presupposes admission pursuant to § 4.

§ 14 **Passing and failing**

(1) In order to pass a module examination, the module grade needs to be at least "pass" (4.0) or the ungraded module examination needs to be assessed as "passed". In the cases specified by the module descriptions, the passing of the module examination is also dependent on the assessment of individual examined assessments as at least "pass" (4.0). If the module examination is passed, the credit points specified for the module in the module descriptions are awarded.

(2) The Bachelor's examination is passed if the module examinations and the Bachelor's thesis as well as the colloquium have been passed. The Bachelor's thesis and the colloquium are passed, if they have been assessed as at least "pass" (4.0).

(3) A module examination is deemed failed if the module grade is not at least "pass" (4.0) or if the ungraded module examination is assessed as "failed". The Bachelor's thesis and the colloquium are passed, if they have been assessed as at least "pass" (4.0).

(4) A module examination is irrevocably failed if it has not been assessed as at least "pass" (4.0) or if the ungraded module examination is assessed as "failed" and cannot be re-taken. The Bachelor's thesis and the colloquium are irrevocably failed if they have not been assessed as at least "pass" (4.0) and if they cannot be re-submitted/re-taken.

(5) The Bachelor's examination is failed or irrevocably failed if one of the module examinations, the Bachelor's thesis or the colloquium have been failed or irrevocably failed. § 3 para. 1 remains unaffected. If a module examination is irrevocably failed in the elective compulsory field, the irrevocable failure of the Bachelor's examination is only declared according to § 17 para. 4 if, within one month after the publication of the module examination results, the student does not change their module or if a change of the module is no longer possible pursuant to § 6 para. 2 sentence 3 of the study regulations. If a student has irrevocably failed the Bachelor's examination, the student loses the right to take examinations for all parts of the Bachelor's examination according to § 2 sentence 1.

(6) If a student has failed a module examination, the Bachelor's thesis or the colloquium, the student is informed as to whether, when and to what extent they can re-take or re-submit it.

(7) If a student failed the Bachelor's examination, upon request and upon submission of the relevant proof and the certificate of de-registration (withdrawal from the student registry), the student is provided with a certificate listing the completed examined assessments including the results, as well as those that have not been completed (if this is relevant) showing that the Bachelor's examination has not been passed.

§ 15

Re-taking module examinations

(1) Failed module examinations can be repeated once within one year following the first examination attempt. This period of time begins with the announcement of the first failed attempt of the module examination. Following the expiration of this deadline, the examination is deemed to be failed again.

(2) An examination can only be repeated a second time the next time it is held. After that, the module examination is deemed to have been irrevocably failed. Another repeat examination is not permissible.

(3) Repeating a failed module examination that consists of several parts entails only those examined assessments that were not assessed as at least "pass" (4.0) or "passed". When repeating a failed module examination that includes one or more elective examined assessments, students are not bound to the previous selection of an examined assessment not graded with at least "pass" (4.0) or with "passed".

(4) It is not permitted to re-take a module examination that has already been passed.

(5) Failed attempts at the module examination in the same or in other degree programs are taken into account.

§ 16

Recognition of study achievements and examined assessments, periods of study, and qualifications obtained outside a university

(1) Study achievements and examined assessments accomplished at a different university are recognized upon request of the student if there are no substantial differences in the acquired skills. Further agreements between TU Dresden, the German Rectors' Conference, the Standing Conference of the Ministers of Education and Cultural Affairs, as well as agreements ratified by the Federal Republic of Germany shall be observed, if applicable.

(2) Qualifications obtained outside an institution of higher education are recognized upon request of the student if they are deemed to be equivalent. Qualifications are equivalent if their contents, scope and requirements are fundamentally similar to parts of the Bachelor's program Molecular Biology and Biotechnology at Technische Universität Dresden. The qualification comparison shall not be schematic, instead it should be considered and assessed in its entirety.

(3) Study achievements and examined assessments in the same degree program accomplished in the Federal Republic of Germany are transferred ex officio.

(4) Study achievements and examined assessments accomplished at a different university can be recognized despite substantial differences if, when assessed as a whole, their contents and qualification objectives are equivalent to the intent and purpose of the modules included in this degree program, and they are thus structurally equivalent. The degree certificate shows the assessments that were actually accomplished.

(5) If study achievements and examined assessments are recognized or transferred according to para. 1, 3 or 4, or if qualifications obtained outside a university are recognized according to para. 2, the respective study periods are ex officio recognized as well. If the grading systems are

comparable, grades are transferred and enter into further grading calculations. If the grading systems cannot be compared, a note "passed" is added and they do not enter into further grading calculations. Recognition is marked as such in the degree certificate.

(6) Recognition is decided by the Examination Committee. The student needs to provide the required documents. After submission, the recognition procedure must not exceed two months. If recognition is denied, § 17 para. 4 sentence 1 shall apply.

§ 17 Examination Committee

(1) An Examination Committee for the Bachelor's degree program in Molecular Biology and Biotechnology is established. It will conduct and organize examinations and take on the tasks outlined in the Examination Regulations. The Examination Committee consists of four lecturers, one research associate, and two students. With the exception of the students, the term of office shall be three years. The term of office of the student members shall be one year.

(2) The chairperson, their deputy, and the other members and their deputies are appointed by the Faculty Board of the Faculty of Biology; student members are appointed upon recommendation by the Student's Council. The chairperson normally manages the Examination Committee. The Examination Committee may also delegate individual tasks to the chairperson for independent processing and decision-making if the student members agree; a resolution must be passed to this effect. This does not apply to decisions pursuant to para. 4 sentence 2. If any or all of the members of the Examination Committee are reappointed, any previous delegation shall expire.

(3) The Examination Committee ensures that the stipulations of the Examination Regulations are adhered to. The Committee reports on a regular basis on the development of examination and study periods including the actual time spent on the Bachelor's thesis, as well as about the distribution of the module and overall grades. The Examination Committee offers suggestions to reform the Examination Regulations, the Study Regulations, the Module Descriptions, and the Study Schedule.

(4) Decisions that adversely affect students must be announced to them in writing, including a justification and information about legal appeal options. The Examination Committee as the examination authority rules on appeals against such decisions in due course, and communicates its decisions concerning the appeal.

(5) The Examination Committee can allow guests without voting rights to attend its meetings. The members of the Examination Committee are entitled to attend any examination and the colloquium.

(6) The members of the Examination Committee and their deputies must abide by the duty of official confidentiality. The chairperson shall oblige any members who are not public service staff to maintain official confidentiality.

(7) Based on the decisions of the Examination Committee, the Examination Office organizes the examinations and manages the examination files.

§ 18
Examiners and assessors

(1) The Examination Committee appoints the examiners from amongst university lecturers and other individuals who are authorized to be examiners under Saxon State Law. A person can only be appointed assessor if they have passed the respective Bachelor's examination or at least a comparable examination.

(2) The student may nominate the supervisor for their Bachelor's thesis and the examiners for oral examinations and the colloquium. This suggestion does not bear any entitlement.

(3) For examiners and assessors, § 17 para. 6 shall apply accordingly.

§ 19
Purpose of the Bachelor's examination

Passing the Bachelor's examination concludes the degree program and qualifies the student for professional work. It ensures that students have an overview of the professional contexts, are able to apply academic methods and findings, and have acquired the in-depth knowledge required for entering into the world of work.

§ 20
Purpose, issuance, submission, assessment and re-submission of the Bachelor's thesis and colloquium

(1) The purpose of the Bachelor's thesis is to prove that the student is able to analyze issues of the degree program through independent work and within a given period of time, using academic methods.

(2) The Bachelor's thesis can be supervised by a university lecturer or another individual who is authorized to examine according to the Act on the Autonomy of Institutions of Higher Education in the Free State of Saxony, provided that they are working at the Faculty of Biology Science of Technische Universität Dresden. If an extramural person authorized to be an examiner is to supervise the Bachelor's thesis, the chairperson of the Examination Committee must approve such supervision.

(3) The Examination Committee issues the topic of the Bachelor's thesis. The topic and date of issuance shall be documented. Students are allowed to suggest a topic. Upon the request of the student, the Examination Committee issues the topic of the Bachelor's thesis in a timely manner. The Examination Committee issues the topic ex officio at the latest at the beginning of the semester that follows the completion of the last module examination.

(4) The topic can be changed only once within two months of being issued. In case of re-submission of the Bachelor's thesis, changing the topic is only permitted if the student did not use this option previously. If a student has changed their topic, they are immediately issued a new topic in accordance with para. 3 sentences 1 to 3.

(5) The Bachelor's thesis may also be produced as a group thesis if the individual contribution to be assessed as the student's Bachelor's thesis is clearly distinguishable and assessable due to

the indication of sections, page numbers or other objective criteria that allow a clear delimitation, and if this contribution fulfills the requirements pursuant to para. 1.

(6) Two typed and bound copies of the Bachelor's thesis written in German shall be submitted to the Examination Office before the deadline, as well as a digital copy on a suitable storage device; the date of submission shall be documented. Upon submission, the student must declare in writing that they have written the thesis - or, in the case of a group thesis, the appropriately marked share of the paper - independently and has not used any sources or aids other than those indicated. In suitable cases, the Bachelor's thesis can be completed in English if the Examination Committee agrees to the request of the student.

(7) The Bachelor's thesis must be marked by two examiners separately according to § 12 para. 1 sentences 1 to 3. The supervisor of the Bachelor's thesis shall be one of the examiners. The time for assessing the thesis shall not exceed four weeks.

(8) The grade for the Bachelor's thesis is calculated as the average of the individual grades given by the two examiners. If the two individual grades given by the examiners differ by more than two grades, the average is only valid if both examiners agree on this. If this is not the case, the Examination Committee arranges for the thesis to be marked by an additional examiner. In this case, the grade of the Bachelor's thesis is calculated as the average of the three individual grades. § 12 para. 2 sentences 2 and 3 shall apply accordingly.

(9) If one of the examiners has assessed the Bachelor's thesis as at least "pass" (4.0) and the other examiner as "fail" (5.0), the Examination Committee arranges for the thesis to be marked by an additional examiner. The additional examiner then decides whether the Bachelor's thesis is passed or failed. If the thesis is then deemed to be passed, the grade of the Bachelor's thesis is calculated as the average of the individual grades given in favor of pass, in the opposite case in favor of fail. § 12 para. 2 sentences 2 and 3 shall apply accordingly.

(10) A failed Bachelor's thesis can be re-submitted once within a one-year period. Following the expiration of this deadline, it is deemed as failed again. A second re-submission is only possible at the next available examination date, following that date, it is deemed to be irrevocably failed. Any further re-submission or a re-submission after already having passed the Bachelor's thesis is not permitted.

(11) The student must elucidate their Bachelor's thesis to the supervisor of the thesis as the examiner and to an assessor in a public colloquium. The colloquium is intended to demonstrate that the student is able to coherently present the results of the Bachelor's thesis and to discuss them with expert knowledge. Additional examiners may be called in. Para. 10 as well as § 9 para. 4 and § 12 para. 1 sentences 1 to 3 shall apply accordingly.

§ 21

Examination certificate and Bachelor's degree certificate

(1) Upon passing the Bachelor's examination, students receive an examination certificate without undue delay, if possible within four weeks. The Bachelor's examination certificate shall consist of the module results according to § 26 para. 1 and the respective credit points and where applicable an indication of the recognized achievements and results, of the topic of the Bachelor's thesis, its grade and supervisor, as well as of the overall grade pursuant to § 12 para. 4 and 5. The results of the individual examined assessments are shown on a supplement to the examination certificate. Upon request of the student, the certificate also shows the results of additional modules

and the study time spent on the completion of the Bachelor's examination; and the supplement also includes the results of the examined assessments in the additional modules.

(2) Concurrent with receiving the Bachelor's examination certificate, students shall receive the Bachelor's degree certificate with the date identical to that of the examination certificate. It certifies that the Bachelor's degree has been awarded. The Bachelor's degree certificate is signed by the chairperson of the Examination Committee and bears the handwritten or electronic signature of the Rector, alongside the seal of Technische Universität Dresden. Additionally, students are provided with an English translation of both the degree certificate and the examination certificate.

(3) The examination certificate bears the date of completion of the last part of the examination according to § 14 para. 2. It is signed by the chairperson of the Examination Committee and bears the faculty seal of Technische Universität Dresden.

(4) Technische Universität Dresden issues a Diploma Supplement (DS) in accordance with the Diploma Supplement model of the European Union/Council of Europe/UNESCO. For information on the German higher education system (DS para. 8), the text agreed upon by the Conference of the Ministers of Education and Cultural Affairs and the German Rector's Conference shall be used as amended.

§ 22

Invalidity of the Bachelor's examination

(1) If a student has cheated in an examined assessment and if this cheating is only discovered after the examination certificate has been issued, the results of the examined assessment can be amended according to § 13 para. 4 sentence 1. If applicable, the Examination Committee may declare the grade of the module examination as "fail" (5.0) and the Bachelor's examination as "failed". The same applies to ungraded module examinations, the Bachelor's thesis, and the colloquium.

(2) If the requirements for taking a module examination had not been met and this had not been discovered prior to the issuance of the examination certificate and the student was not at fault, this irregularity is rectified by passing the module examination. If the student intentionally and unduly obtained admission to a module examination, the Examination Committee may assess the module examination as "fail" (5.0) and the Bachelor's examination as "failed". The same applies to ungraded module examinations, the Bachelor's thesis, and the colloquium.

(3) The incorrect examination certificate and its translation shall be retracted by the chairperson of the Examination Committee and replaced by a new one, if applicable. If the Bachelor's examination has been declared "failed" due to cheating, the Bachelor's degree certificate, any translations, and the Diploma Supplement must be retracted together with the now invalid examination certificate. Following a period of 5 years since the date of the examination certificate, a decision according to para. 1 and para. 2 sentences 2 or 3 is no longer permissible.

§ 23

Access to examination documents

Within one year after completion of the examinations, the student will be granted access to their written examination papers, the related expert opinions and the examination protocols within a reasonable period of time upon request.

Part 2: Subject-specific regulations

§ 24

Duration, structure and scope of the degree program

- (1) The standard period of study according to § 1 is six semesters.
- (2) The program is divided into modules and is concluded with the Bachelor's examination.
- (3) By passing the Bachelor's examination, a total of 180 credit points are awarded for modules, the Bachelor's thesis, and the colloquium.

§ 25

Subject-specific requirements for the Bachelor's examination

- (1) The Bachelor's thesis must have been assessed with a grade of at least "pass" (4.0) prior to the colloquium. Prior to the topic of the Bachelor's thesis being issued, students must have earned at least 90 credit points.
- (2) Subject-specific requirements that would be fulfilled by a waiver pursuant to § 13 para. 6 shall be deemed to have been fulfilled if the Examination Committee agrees to this upon application by the student.

§ 26

Subject, nature and scope of the Bachelor's examination

- (1) The Bachelor's examination comprises all module examinations of the compulsory field and those of the selected modules of the elective compulsory field as well as the Bachelor's thesis and the colloquium.
- (2) Modules of the compulsory field are
 1. Introduction to Applied Molecular Biology and Biotechnology
 2. Basic Cell Biology and Molecular Genetics
 3. Basic Inorganic Chemistry
 4. Basic Organic Chemistry
 5. Basic Physics
 6. Basic Mathematics
 7. Basic Biochemistry
 8. Basic Molecular Bioanalytics
 9. Basic Biostatistics
 10. Basic Plant Structure and Function
 11. Basic Animal Structure and Function
 12. Basic Animal and Plant Physiology
 13. Basic Microbiology
 14. Basic Gene Technology
 15. Introduction to Scientific Working and Publishing
 16. Basic Evolution and Biodiversity
 17. Practical Insight to Biotechnology
 18. Practical Insight to Biology

19. Law and Orders in Biological and Biotechnological Working Fields
20. Research Specialization in Biology-Biotechnology.

(3) The elective compulsory field comprises the modules listed in the annex, which must be selected in accordance with the requirements specified there.

(4) The required examined assessments in the modules and their type and structure are specified in the module descriptions. The subject matter of the examined assessments consists of the contents and skills acquired in the module, if not stated otherwise in the module descriptions.

(5) Students can take examinations in modules other than those stipulated in para. 1 (additional modules). Optionally, these module examinations can be selected from the full range of modules offered at Technische Universität Dresden or a cooperating institute of higher education after consultation with the person conducting or examining the module. They do not enter into the calculations of a student's workload nor of the overall grade.

§ 27

Time permitted for the Bachelor's thesis and duration of the colloquium

(1) Students have 10 weeks to complete their Bachelor's thesis and 12 credit points are awarded for it. The supervisor shall limit the topic, tasks, and scope of the Bachelor's thesis so that the deadline for the submission of the Bachelor's thesis can be realistically met. In specific cases and upon justified request by the student, the Examination Committee may extend the period by up to a maximum of four weeks, the number of credit points awarded remains unaffected.

(2) The colloquium shall run for 30 minutes. 3 credit points are awarded.

§ 28

Bachelor's degree

If the Bachelor's examination is passed, the "Bachelor of Science" degree (abbr. B.Sc.) is awarded.

Annex

Modules of the elective compulsory field

The modules of the elective compulsory field include

1. Biological Diversity and Systematics
2. Developmental Biology
3. Bioinformatics
4. Genetically Engineered Machines - Synthetic Biology (iGEM competition)
5. Insects
6. Aquatic Ecology
7. Biopolymers, Biomaterials and Biominerals,
one of which must be chosen,

1. Microbial Biotechnology
2. Microbial Genetics
3. Applied Cell Biology
4. Molecular Biology of Natural Compounds
5. Basic Regeneration Biology
6. Biophysics
7. Basic Neurobiology
8. Basic Principles in Drug Discovery
9. Food Microbiology,
of which two must be chosen, as well as

1. Studium Generale
2. Introduction to Business Studies
3. Drawing Biological Objects
4. Foreign Language A1
5. Foreign Language A2
6. Foreign Language A2+ - Europe and Mediterranean Region
7. Foreign Language A2+ - East Asia
8. Foreign Language B1 – Europe and Mediterranean Region
9. Foreign Language B1- East Asia
10. Foreign Language B1+ - Europe and Mediterranean Region
11. Foreign Language B1+ - East Asia
12. Introduction to Professional and Academic Language B2+
13. Advanced Professional and Academic Language C1,
of which two must be chosen.

Upon approval of the Examination Committee, additional modules may be chosen.