

Examination regulations for the consecutive Master's degree programme Textile Machinery and High Performance Material Technology

From 24 May 2022

Based on § 34 paragraph 1 sentence 1 of the Saxon Higher Education Freedom Act in the version of the announcement of January 15, 2013 (SächsGVBl. p. 3), Dresden University of Technology enacts the following examination regulations as statutes.

Table of contents

Section 1: General provisions

- § 1 Regulatory period of study
- § 2 Examination structure
- § 3 Terms and deadlines
- § 4 General admission requirements and admission procedure
- § 5 Types of examination performance
- § 6 Exam papers
- § 7 Project work
- § 8 Oral examinations
- § 9 Other examination performances
- § 10 Evaluation of examination performances, formation and weighting of grades, announcement of examination results
- § 11 Miss, withdrawal, deception, breach of order, waiver
- § 12 Pass and fail
- § 13 Free attempt
- § 14 Repetition of module examinations
- § 15 Crediting of study and examination achievements, periods of study and qualifications acquired outside a higher education institution
- § 16 Examination Board
- § 17 Examiners and assessors
- § 18 Purpose of the Master examination
- § 19 Purpose, Issue, Submission, Assessment and Repetition of the Master Thesis and colloquium
- § 20 Certificate and Master certificate
- § 21 Invalidity of the Master examination
- § 22 Insight into the examination documents

Section 2: Subject-specific provisions

- § 23 Study duration, structure and scope

- § 24 Subject-specific requirements for the Master examination
- § 25 Subject matter, type and scope of the Master examination
- § 26 Term of the Master Thesis and duration of the colloquium
- § 27 Master degree

Section 3: Final provisions

- § 28 Entry into force, publication and transitional provisions

Section 1: General provisions

§ 1

Regulatory period of study

The regulation period of study for the consecutive Master's degree in Textile Machinery and High Performance Material Technology includes attendance, self-study and the Master's examination.

§ 2

Examination structure

The master's examination consists of module examinations as well as the master's thesis and the colloquium. A module examination concludes a module and consists of at least one examination. The examinations are taken during the course of study.

§ 3

Terms and deadlines

(1) The Master's examination should be taken within the regulation period of study. A Master's examination that has not been taken within four semesters after completion of the regulation period of study shall be deemed to have been failed. A failed master's examination can be repeated once within one year. After this period has expired, it is considered to have been failed again. A second repeat examination is only possible on the next possible examination date, after which the Master's examination is deemed to have been definitively failed.

(2) Module examinations should be taken by the end of the respective semester specified by the study schedule.

(3) The Technische Universität Dresden ensures through the Study Regulations and the course offerings that study and examination achievements as well as the Master's thesis and the colloquium can be taken within the set periods of time. The students will be informed in due time, as is customary in the faculty, about the type and number of study and examination achievements to be taken as well as about the dates on which they are to be taken, and also about the submission and deadline of the Master's thesis as well as about the date of the colloquium. The students must also be informed about the possibility of repeating each module examination.

(4) During maternity leave, no time limit begins to run and it is not counted towards current time limits. With regard to the use of parental leave, reference is made to § 12 paragraph 2 of the matriculation regulations.

§ 4

General admission requirements and admission procedure

(1) Admission to examinations of the Master's examination according to § 2 sentence 1 is only possible for those who

1. is enrolled in the consecutive Master's degree program in Textile Machinery and Textile High Performance Materials Technology at Technische Universität Dresden and

2. has proven the professional requirements (§ 24) and (§ 24)
3. has made a data-processing-recorded declaration relating to paragraph 4 number 3.

(2) The student must register for the performance of examinations. The student has the right to withdraw from the examination up to three working days before the examination date without giving reasons. The form and deadline for registration as well as the form of deregistration are determined by the Examination Committee and announced at the beginning of each semester in the usual manner of the faculty. The same applies to preliminary examinations and bonus achievements.

(3) The admission takes place

1. to a module examination due to the first registration for an examination performance of this module examination,
2. for the Master's thesis on the basis of the student's application for the issue of the topic or, in the case of § 19 paragraph 3 sentence 5, with the issue of the topic and
3. to the colloquium based on the evaluation of the master thesis with a grade of at least "sufficient" (4.0).

(4) Admission will be refused if,

1. the requirements set out in paragraph 1 or the procedural requirements set out in paragraph 2 are not met, or
2. the documents are incomplete or
3. the student has already definitively failed an examination required for the completion of the Master's degree in Textile Machinery and High Performance Material Technology.

(5) The examination board decides on admission. The announcement may be made publicly. § Section 16 (4) remains unaffected.

§ 5

Types of examination performance

(1) Examination performances shall be

1. written examinations (§ 6),
2. project work (§ 7),
3. oral examinations (§ 8),
4. other examination performances (§ 9)

to be provided. Written examinations using the multiple-choice method are possible. Execution and evaluation of the examination performances are regulated in the MC regulations. In modules that are recognizably subject to several examination regulations, synonyms are permitted for examination performances with the same content.

(2) Studies and examinations must be conducted in German. If, according to the module description, a module primarily serves the acquisition of foreign language qualifications, study and examination achievements may also have to be completed in the respective foreign language in accordance with the assignment.

(3) If the student can credibly demonstrate that he or she is unable to take all or part of an examination in the prescribed form due to a long-term or permanent physical disability or chronic illness, the chairperson of the examination committee will, upon request, allow the student to take the examination within an extended processing time or in an equivalent manner (compensation for disadvantages). For this purpose, the submission of a medical certificate and,

in cases of doubt, a medical certificate from an official doctor may be required. The same applies to prior performance in examinations and bonus performance.

(4) If the student can credibly demonstrate that he or she is unable to complete the examination as prescribed due to the care of his or her own children up to the age of 14 or the care of close relatives, the chairperson of the examination board will allow the student to take the examination in an equivalent manner upon request. Close relatives are children, parents, grandparents, spouses and partners. The chairperson of the examination board decides in consultation with the responsible examiner how the examination performance is to be performed. The chairperson of the examination board decides on an appropriate measure to compensate for a disadvantage. Suitable measures to compensate for disadvantages include, for example, extended processing times, processing breaks, use of other media, use of other examination rooms within the university or another examination date. The same applies to preliminary examinations and bonus achievements.

§ 6

Written examinations

(1) In written examinations, the student should demonstrate that he or she is able to solve tasks and work on topics on the basis of the necessary basic knowledge in a limited time and with limited aids using the common methods of the subject of study. If written examinations or individual tasks are set in accordance with § 5 Paragraph 1 Sentence 2, the student should demonstrate the knowledge required to achieve the module objective. To this end, he or she must indicate which of the answers presented with the assignments he or she considers to be correct.

(2) Written examinations, the passing of which is a prerequisite for the continuation of studies, are usually, but at least in the case of the last resit examination, to be evaluated by two examiners. The grade results from the average of the individual evaluations according to § 10 paragraph 1; only the first decimal place behind the comma is taken into account, all further places are deleted without rounding. The evaluation procedure shall not exceed four weeks.

(3) The duration of the written examinations is specified in the module descriptions and must not be less than 90 minutes or more than 240 minutes.

§ 7

Project work

(1) Project work usually demonstrates the ability to work in a team and, in particular, to develop, implement and present concepts. Here, the student should demonstrate the competence to define goals for a larger task and to develop interdisciplinary solutions and concepts.

(2) For project work § 6 paragraph 2 applies accordingly.

(3) The time required for the project work is specified in each case in the module descriptions and amounts to a maximum of 205 hours. Derived from this, the deadline for submission is to be determined within the framework of the assignment. In individual cases, the examination board can extend this deadline for submission by a maximum of 8 weeks upon justified application by the student.

(4) In the case of project work carried out in the form of teamwork, the individual contributions must be clearly recognizable and assessable and must meet the requirements of paragraph 1. If parts of the project work are performed orally, § 8 Paragraph 4 Sentence 1 applies accordingly.

§ 8

Oral examination performances

(1) By means of oral examinations, students should demonstrate their ability to recognize the interrelationships of the examination area and to classify specific questions in these interrelationships. Furthermore, it is to be determined whether the student has a basic knowledge corresponding to the state of the studies.

(2) Oral examinations are taken in front of at least two examiners (collegial examination) or in front of one examiner in the presence of an expert assessor (§ 17) in accordance with the module descriptions as a group examination with up to four persons or as an individual examination.

(3) Oral examinations have a duration of 15 to 45 minutes. The specific duration is specified in each case in the module descriptions.

(4) The essential items and results of the oral examination performance are to be recorded in a protocol. The result is to be made known to the student following the oral examination performance.

(5) Students who wish to take the same examination at a later date should be admitted as listeners within the framework of the available space, unless the student to be examined objects. Admission does not extend to the discussion and announcement of the examination results.

§ 9

Other examination performances

(1) The student is to achieve the specified performance through other controlled examination performances (other examination performances) which can be assessed according to the same standards and which are specifically specified in the module descriptions including the requirements as well as the duration and the temporal scope. If a time frame is specified, the deadline for submission is to be determined from this in the context of the assignment. Other examination performances are assignments.

(2) The other examinations according to paragraph 1 sentence 3 are defined as follows: In assignments, the student should prove that he or she has mastered sub-tasks or can solve analytical tasks and is capable of interpreting the results accordingly by solving written exercises, by working on electronic learning modules or by delimited experimental work.

(3) For other written examinations, § 6 paragraph 2 shall apply accordingly. For non-written other examination performances, § 8 paragraph 2 and 4 apply accordingly.

§ 10

Assessment of the examination performances, formation and weighting of the grades, Announcement of the examination results

(1) The grade for the individual examination performances shall be determined by the respective examiners, taking into account any bonus points acquired in accordance with paragraph 2. The following grades are to be used for this purpose:

1 = very good	= an excellent performance;
2 = good	= a performance that is significantly above the average requirements;
3 = satisfactory	= a performance that meets average requirements;
4 = sufficient	= a performance that still meets the requirements despite its shortcomings;
5 = not sufficient	= a performance that no longer meets the requirements due to significant deficiencies.

For differentiated assessment, individual grades may be raised or lowered by 0.3 to intermediate values; grades 0.7; 4.3; 4.7 and 5.3 are excluded.

(2) Bonus points can be acquired voluntarily for assigned examination achievements through certain study achievements (bonus achievements). Bonus points can replace a maximum of 6% of the total number of points of the assigned examination performance in addition to the evaluation points acquired by the student, if the examination performance was evaluated with at least "sufficient" (4.0). The type and structure of the bonus performances as well as their assignment to an examination performance are to be regulated in the module descriptions. The number of bonus points to be acquired through a bonus performance as well as the total number of points to be achieved in the associated examination performance shall be announced at the beginning of each semester as is customary in the faculty. Bonus points earned will only be taken into account in the examination date that is binding for the student following the bonus performance.

(3) The module grade results from the weighted average of the grades of the examination performances of the module, if applicable according to the module description. Only the first decimal place after the comma is taken into account; all other places are deleted without rounding. The module grade with an average is

up to and including 1.5	= very good,
from 1.6 to 2.5 inclusive	= good,
from 2.6 to 3.5 inclusive	= satisfactory,
from 3.6 up to and including 4.0	= sufficient,
from 4.1	= not sufficient.

If a module examination is not passed due to an examination performance relevant to passing the examination according to § 12 paragraph 1 sentence 2, the module grade is "not sufficient" (5.0).

(4) An overall grade is calculated for the Master's examination. The final grade of the master's examination includes the final grade of the master's thesis with a weight of 25 and the module grades weighted according to the credit points according to § 25 paragraph 1. The final grade of the Master's thesis is composed of the grade of the Master's thesis with quadruple weight and the grade of the colloquium with single weight. Paragraph 2, sentences 2 and 3 apply accordingly to the overall and final grades. The overall grade of the Master's examination is "passed with distinction" in the case of outstanding performance (with an average of up to and including 1.2 as well as the final grade of the Master's thesis up to and including 1.5).

(5) The overall grade of the Master's examination is additionally shown as a relative grade according to the ECTS grading scale.

(6) The procedures for announcing examination results shall be communicated to students by publication in the manner customary to the faculty.

§ 11

Miss, withdrawal, deception, breach of order, waiver

(1) An examination performance shall be deemed to have been graded "unsatisfactory" (5.0) if the student misses an examination date that is binding for him or her without good reason or withdraws without good reason. The same applies if an examination performance is not completed within the specified processing time.

(2) The reason asserted for the withdrawal or the failure to attend must be notified to the examination office in writing without delay and must be made credible. In the case of illness of a student, a medical certificate is usually to be submitted, in cases of doubt an official medical certificate. Insofar as the observance of deadlines for the initial registration for examinations, the repetition of examinations, the reasons for missing examinations and the observance of processing times for examination papers are concerned, the illness of the student shall be deemed equivalent to the illness of a child for whom he or she is predominantly solely responsible for care. If the reason is recognized, a new date will be scheduled. In this case, the examination results already available are to be credited. The examination board decides on the approval of the withdrawal or the recognition of the reason for missing the examination.

(3) If the student attempts to influence the result of his or her examination performance by deception, for example by bringing along or using unauthorized aids, the examination performance in question shall be deemed to have been assessed as "insufficient" (5.0) on the basis of a corresponding determination by the examination board. A student who disturbs the proper course of the examination can be excluded from continuing the examination by the respective examiner or the respective supervisor; in this case, the examination performance is considered to be graded as "not sufficient" (5.0). In serious cases, the examination board may exclude the student from taking further examinations.

(4) If the student has been deceptive in an examination and this fact only becomes apparent after the assessment has been announced, the assessment of the examination can be changed by the examination board to "not sufficient" (5.0) and the grade of the module examination can then also be changed in accordance with § 10 Paragraph 3. If the requirements for taking a module examination were not fulfilled without the student intending to deceive, this deficiency is cured by passing the module examination. If the student has intentionally obtained the passing of a module examination wrongfully, the examination board may declare the module examination "not sufficient" (5.0). In serious cases, the examination board may exclude the student from taking further examinations.

(5) Paragraphs 1 to 4 apply accordingly to preliminary examinations, bonus credits, the Master's thesis and the colloquium..

(6) If the student declares in writing to the examination office that he or she waives the completion of an examination, this examination shall be deemed to have been graded as "insufficient" (5.0) in the respective examination attempt. The waiver is irrevocable and requires admission according to § 4.

§ 12

Pass and fail

(1) A module examination is passed if the module grade is at least "sufficient" (4.0). In the cases specified by the module descriptions, the passing of the module examination is furthermore dependent on the assessment of individual examination performances with at least "sufficient" (4.0). If the module examination is passed, the credit points allocated to the module in the module description are acquired.

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

(3) A module examination is not passed if the module grade is not at least "sufficient" (4.0). Master's thesis and colloquium are not passed if they have not been assessed with at least "sufficient" (4.0).

(4) A module examination is definitively failed if the module grade is not at least "sufficient" (4.0) and its repetition is no longer possible. Master's thesis and colloquium are definitively failed if they have not been assessed with at least "sufficient" (4.0) and a repetition is no longer possible.

(5) The Master's examination is failed or definitively failed if either a module examination, the Master's thesis or the colloquium is failed or definitively failed. § 3 paragraph 1 remains unaffected. In the case of a final failure of a module examination of the elective area, the final failure of the Master's examination will only be decided according to § 16 paragraph 4 if the student does not change his/her choice within one month after the announcement of the result of the module examination or if a change of choice is no longer possible according to § 6 paragraph 2 sentence 4 Study Regulations. If the student has definitively failed the Master's examination, he or she loses the examination entitlement for all components of the Master's examination according to § 2 sentence 1.

(6) If the student has failed a module examination, the Master's thesis or the colloquium, the student will be informed whether and, if so, to what extent and within what period the examination can be repeated.

(7) If the student has not passed the Master's examination, he or she will be issued a certificate upon request and upon presentation of the relevant evidence and the exmatriculation certificate, which contains the examination components performed and their evaluation as well as, if applicable, the examination components still missing, and which indicates that the Master's examination has not been passed.

§ 13

Free attempt

(1) Module examinations can also be taken before the semesters specified in the study schedule if the admission requirements are met. Taking the module exam for the first time is then considered a free attempt.

(2) Upon application by the student, module examinations or examinations graded at least "sufficient" (4.0) can be repeated once at the next regular examination date in order to improve the grade. In these cases, the better grade counts. The form and deadline of the application are

determined by the Examination Committee and announced as usual in the faculty. After the expiry of the next regular examination date or the application deadline, an improvement of the grade is no longer possible. When repeating a module examination to improve the grade, examination performances that were assessed with at least "sufficient" (4.0) in the free attempt will be credited upon the student's application.

(3) A module examination that has not been passed in the free attempt is deemed not to have been carried out. Examination performances which have been assessed with at least "sufficient" (4.0) will be credited in the following examination procedure. If the possibility of grade improvement according to paragraph 2 is used for examination performances, the better grade will be credited.

(4) In addition to § 3, paragraph 4, periods of interruption of studies due to a prolonged illness of the student or a child to be cared for primarily by the student as well as periods of study abroad shall not be counted for the purpose of applying the free attempt regulation.

§ 14

Repetition of module examinations

(1) Failed module examinations can be repeated once within one year after completion of the first examination attempt. The period begins with the announcement of the first failure of the module examination. After expiry of this period, they are considered to have been failed again.

(2) A second repeat examination can only be taken at the next possible examination date. After this date, the module examination is deemed to have been definitively failed. A further repeat examination is not permitted.

(3) The repetition of a failed module examination consisting of several examination performances only includes the examination performances not graded with at least "sufficient" (4.0). When retaking a failed module examination that comprises one or more elective examination performances, students are not bound to the previous choice of an examination performance not graded with at least "sufficient" (4.0).

(4) The repetition of a passed module examination is only permitted in the case regulated in § 13 paragraph 2 and includes all examination performances.

(5) Failed attempts of the module examination from the same or other courses of study are taken over.

§ 15

Crediting of study and examination achievements, periods of study and qualifications acquired outside a higher education institution

(1) Study and examination achievements that have been completed at a university will be credited upon application by the student, unless there are significant differences with regard to the competencies acquired. Further agreements of the Technische Universität Dresden, the German Rectors' Conference, the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder, as well as those ratified by the Federal Republic of Germany, must be observed, if applicable.

(2) Qualifications acquired outside of a university will be credited upon application by the student if they are equivalent. Equivalence is given if the content, scope and requirements essentially correspond to parts of the studies in the consecutive Master's program Textile Machinery and High Performance Material Technology at Technische Universität Dresden. Thereby, no schematic comparison but an overall consideration and evaluation is to be carried out.

(3) Study and examination achievements that were completed in the Federal Republic of Germany in the same course of study are transferred ex officio.

(4) Study and examination achievements completed at a university can be credited despite significant differences if, due to their content and qualification objectives, they correspond overall to the meaning and purpose of an elective option available in this degree program and therefore form a structural equivalent. The actual achievements are shown in the certificate.

(5) If study and examination achievements are credited or transferred according to paragraph 1, 3 or 4 or qualifications acquired outside a university are credited according to paragraph 2, the corresponding periods of study shall also be credited ex officio. Grades - insofar as the grading systems are comparable - are to be transferred and included in the further formation of grades. In the case of incomparable grading systems, the remark "passed" shall be included; they shall not be included in the further formation of grades. The credit is marked on the certificate.

(6) The crediting is carried out by the examination board. The student must submit the required documents. From this point on, the crediting procedure may not exceed the duration of two months. In the event of non-crediting, § 16 paragraph 4 sentence 1 shall apply.

§ 16 Examination Board

(1) An examination board is formed for the consecutive Master's degree program Textile Machinery and High Performance Material Technology to conduct and organize the examinations and for the tasks assigned by the examination regulations. The examination board consists of five professors, two research assistants and two students. With the exception of the student members, the term of office is three years. The term of office of the student members is one year.

(2) The chairperson, the deputy chairperson as well as the other members and their deputies are appointed by the Faculty Council of the Faculty of Mechanical Engineering, the student members on proposal of the Student Council. They should be enrolled in one of the study programs of the Faculty of Mechanical Engineering. As a rule, the chairperson conducts the business of the examination board.

(3) The examination board ensures that the provisions of the examination regulations are observed. It regularly reports to the faculty on the development of examination and study times, including the actual processing times for the Master's thesis, and on the distribution of module and overall grades. The Examination Committee makes suggestions for the reform of the Examination Regulations, the Study Regulations, the module descriptions and the study schedule.

(4) The student concerned must be informed in writing of any adverse decisions, the reasons for them, and instructions on how to appeal. The examination board, as the examination authority, decides on appeals within a reasonable period of time and issues the notices of appeal.

(5) The examination board may admit guests to its meetings without voting rights. The members of the examination board have the right to attend the examination and the colloquium.

(6) The members of the Examination Board and their deputies are subject to official secrecy. If they are not in public service, they must be sworn to secrecy by the chairperson.

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

§ 17

Examiners and assessors

(1) The Examination Board appoints university professors and other persons who are authorized to conduct examinations according to state law as examiners. Only persons who have successfully passed the corresponding Master's examination or an at least comparable examination are appointed as examiners.

(2) The student can propose the supervisor for his/her Master's thesis and the examiners for oral examinations and the colloquium. The suggestion does not justify any claim.

(3) The names of the examiners should be made known to the student in good time.

(4) For the examiners and assessors, § 16 paragraph 6 applies accordingly.

§ 18

Purpose of the Master examination

Passing the Master's examination constitutes the professionally qualifying degree of the study program. This establishes that the student has an overview of the subject-related contexts, has the ability to apply scientific methods and findings, and has acquired the thorough specialist knowledge necessary for the transition to professional practice.

§ 19

Purpose, Issue, Submission, Assessment and Retake of the Master Thesis and colloquium

(1) The Master's Thesis should demonstrate that the student is able to work independently on problems in the field of study using scientific methods within a specified period of time.

(2) The Master's Thesis can be supervised by a university lecturer or another person authorized to examine according to the Saxon Higher Education Freedom Act (Sächsisches Hochschulfreiheitsgesetz), as long as this person works at the Faculty of Mechanical Engineering at Technische Universität Dresden. If the Master's thesis is to be supervised by a person who works outside the faculty and is authorized to do so, the approval of the chairperson of the examination board is required.

(3) The Examination Board issues the topic of the Master's thesis. The topic and the date of issue are to be recorded. The student can express his or her wishes regarding the topic. At the request of the student, the Examination Board will arrange for the timely issue of the topic of the Master's thesis. The topic will be issued by the Examination Board ex officio at the latest at the beginning of the semester following the completion of the last module examination.

(4) The topic can only be returned once and only within two months of issue. However, the topic may only be returned for a repetition of the Master's thesis if the student has not yet made use of this option. If the student has returned the topic, a new one will be issued to him or her immediately in accordance with paragraph 3, sentences 1 to 3.

(5) The Master's thesis may also be submitted in the form of a group thesis if the individual contribution to be assessed as the student's Master's thesis is clearly distinguishable and assessable on the basis of the specification of sections, page numbers or other objective criteria that enable a clear delimitation and fulfills the requirements according to paragraph 1.

(6) The master's thesis must be submitted in German in two typed and bound copies as well as in digital form on a suitable data carrier to the examination office by the deadline; the submission date must be recorded on file. In appropriate cases, the Master's thesis may be submitted in English upon application by the student to the Examination Board. When handing in the thesis, the student must declare in writing whether he or she has written the thesis - in the case of a group thesis, the correspondingly marked part of the thesis - independently and has not used any sources or aids other than those indicated..

(7) The master's thesis is to be graded individually by two examiners according to § 10 paragraph 1. The supervisor of the Master's thesis should be one of the examiners. The assessment procedure should not exceed four weeks.

(8) The grade of the Master's thesis is the average of the two individual grades of the examiners. If the individual grades of the examiners differ by more than two grade levels, the average of the two individual grades is only decisive if both examiners agree. If this is not the case, the Examination Board will obtain an evaluation from another examiner. The grade of the Master's thesis is then formed from the average of the three individual grades. § Section 10, paragraph 3, sentences 2 and 3 shall apply accordingly.

(9) If one examiner has assessed the Master's thesis with at least "sufficient" (4.0) and the other examiner with "insufficient" (5.0), the Examination Board shall obtain an assessment from another examiner. This examiner decides whether the Master's thesis is passed or not. If it is considered to have been passed, the grade of the Master's thesis is calculated from the average of the individual grades of the evaluations voting for passing, otherwise from the evaluations voting for failing. § Section 10, paragraph 3, sentences 2 and 3 shall apply accordingly.

(10) A failed master thesis can be repeated once within one year. After expiry of this period, it is deemed to have been failed again. A second repetition is only possible on the next possible examination date, after which it is deemed to have been definitively failed. A further repetition or the repetition of a passed master thesis is not permitted.

(11) The student must explain his/her master's thesis in a public colloquium in front of the thesis supervisor as examiner and an assessor. Through the colloquium, the student should prove that he or she can present the result of the Master's thesis conclusively and discuss it professionally. Additional examiners may be consulted. Paragraph 10 as well as § 8 paragraph 4 and § 10 paragraph 1 apply accordingly.

§ 20

Certificate and Master certificate

(1) The student shall receive a certificate of successful completion of the Master's examination without delay, if possible within four weeks. The certificate of the Master's examination shall

include the module evaluations according to § 25 paragraph 1 as well as the corresponding credit points and, if applicable, credit marks, the topic of the Master's thesis, its final grade and supervisor as well as the overall grade according to § 10 paragraph 4 and 5. The grades of the individual examinations and the topic of the project thesis are shown on an enclosure to the certificate. At the request of the student, the evaluations of additional modules and the duration of study required to complete the Master's examination shall be included in the certificate and the evaluations of examination performances in additional modules shall be indicated on the supplement.

(2) At the same time as the Master's degree certificate, the student receives the Master's degree certificate with the date of the certificate. This certifies the award of the Master's degree. The Master's certificate is signed by the chairperson of the examination board, bears the handwritten or typewritten signature of the Rector and bears the seal of Technische Universität Dresden. In addition, the student will receive translations of the certificate and the transcript in English.

(3) The certificate bears the date of the day on which the last examination component has been completed in accordance with § 12 paragraph 2. It is signed by the chairperson of the examination board and the dean of the Faculty of Mechanical Engineering and bears the seal of the Technische Universität Dresden.

(4) Technische Universität Dresden issues a Diploma Supplement (DS) according to the "Diploma Supplement Model" of the European Union/Council of Europe/UNESCO. As a representation of the national education system (DS section 8), the text agreed upon between the Standing Conference of the Ministers of Education and Cultural Affairs of the Länder in the Federal Republic of Germany and the German Rectors' Conference is to be used in the currently valid version.

§ 21

Invalidity of the Master examination

(1) If the student has cheated in an examination performance and this fact only becomes known after the certificate has been issued, the assessment of the examination performance can be changed in accordance with § 11 Paragraph 4 Sentence 1. If necessary, the Examination Board can declare the module examination "insufficient" (5.0) and the Master's examination "failed". The same applies to the Master's thesis and the colloquium.

(2) If the requirements for taking a module examination were not fulfilled without the student intending to deceive, and if this fact only becomes known after the certificate has been issued, this defect is cured by passing the module examination. If the student has intentionally and wrongfully obtained the passing of a module examination, the Examination Board may declare the module examination "insufficient" (5.0) and the Master's examination "failed". The same applies to the Master's thesis and the colloquium.

(3) The incorrect certificate and its translation must be confiscated by the chairperson of the examination board and, if necessary, reissued. The Master's certificate, all translations and the Diploma Supplement must be confiscated together with the incorrect Master's examination certificate if the Master's examination was declared "failed" due to deception. A decision according to paragraph 1 and paragraph 2 sentence 2 or 3 is excluded after a period of five years from the date of the certificate.

§ 22

Inspection of the examination documents

Within one year after completion of the examination procedure, the student shall be granted, upon request and within a reasonable period of time, access to his or her written examination papers, the related expert opinions, and the examination records.

Section 2: Subject-specific provisions

§ 23

Study duration, structure and scope

(1) The regulation period of study according to § 1 is four semesters.

(2) The program is modular and concludes with the master's thesis and the colloquium.

(3) By passing the Master's examination, a total of 120 credit points are acquired in the modules as well as the Master's thesis and the colloquium.

§ 24

Subject-specific requirements for the Master examination

(1) Prior to the colloquium, the Master's thesis must have been evaluated with a grade of at least "sufficient" (4.0).

(2) Before issuing the topic of the Master's thesis, at least 77 credit points must have been earned.

§ 25

Subject matter, type and scope of the Master examination

(1) The Master's examination comprises all module examinations of the compulsory area and those of the selected modules of the compulsory elective area as well as the Master's thesis and the colloquium.

(2) Modules of the compulsory area are

1. Mathematics for Textile Machinery and High Performance Material Technology
2. Computer Application in Mechanical Engineering
3. Engineering Mechanics
4. Design Theory/Machine Elements
5. Mechanism Technology
6. Industrial Management/Basics of Business Administration
7. Textile High-Performance Materials and Testing Technology
8. Machines and Technologies for Yarn Structures, especially Composites
9. Machines and Technologies for Textile Constructions
10. Processes and Machines of Textile Assembly Technology and Virtual Development of Textile Products
11. Research Internship Textile Machinery

12. Research Management in the Textile Industry.

(3) Modules of the compulsory elective area are

1. Development of Complex Textile Constructions
2. Design and Manufacture of Technical Textiles
3. Machines and Technologies for Technical Textiles
4. Design/Construction of Textile Machines
5. Functionalisation and Interface Design
6. Fiber-Based Implants and Tissue Engineering
7. Textile Management
8. 3D CAE Technology for Fiber-Based Materials
9. Machines and Technologies for the Manufacture of Nonwovens, Textile Recycling and Resource Efficiency
10. Textile Machine Testing
11. Textile Finishing
12. Fiber-based Biomaterials

of which three modules are to be chosen.

(4) The required examinations assigned to the modules, their type and design are specified in the module descriptions. Unless otherwise specified in the module descriptions, the subject matter of the examinations is the content and the competencies to be acquired in the module.

(5) The student may take an examination in modules other than those provided for in paragraph 1 (additional modules). These module examinations can be taken from the entire range of modules offered by Technische Universität Dresden or a cooperating university after consultation with the respective provider or the examiner. They are not included in the calculation of the student workload and are not taken into account in the formation of the overall grade.

§ 26

Term of the Master Thesis and duration of the colloquium

(1) The processing time of the master's thesis is 15 weeks; 19 credit points are acquired. The topic, task and scope of the master's thesis are to be limited by the supervisor in such a way that the deadline for submission of the master's thesis can be met. In individual cases, the Examination Board may exceptionally extend the processing time by a maximum of four weeks upon justified application by the student; the number of credit points remains unaffected.

(2) The colloquium has a duration of 60 minutes. One credit point is earned.

§ 27

Master degree

If the master's examination is passed, the university degree "Master of Science" (abbreviated: M.Sc.) is awarded.

Section 3: Final provisions

§ 28

Entry into force, publication and transitional provisions

(1) These Examination Regulations shall enter into force on the day after publication in the Official Announcements of Technische Universität Dresden.

(2) It applies to all students newly enrolled in the Master's degree program Textile Machinery and High Performance Material Technology from the winter semester 2022/2023 or later.

(3) For students enrolled earlier than the winter semester 2022/2023, the version of the examination regulations for the consecutive Master's degree programme Textile and Clothing Technology that has been valid for them to date shall continue to apply.

Issued on the basis of the resolution of the Faculty Council of the Faculty of Mechanical Engineering of April 20, 2022 and the approval of the Rectorate May 17, 2022.

Dresden, May 24, 2022

The Rector
of Technische Universität Dresden

Prof. Dr. Ursula M. Staudinger