



**Examination Regulations for the Consecutive Master's Program
„Organic and Molecular Electronics“**

As of #date#)

(enacted by the Faculty Council on #date#)

Pursuant to § 34 of the Law Governing the Universities in the Free State of Saxony (Sächsisches Hochschulgesetz - SächsHSG) of 15. Januar 2013 (SächsGVBl. p. 900), last amended by article 24 of the Act of 18. Dezember 2013 (SächsGVBl. pp. 380, 391), the Technische Universität Dresden enacts the following Examination Regulations as a statute.

Please note: This is an English translation of the German original.

Only the German version is legally binding

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Part 1: General ProvisionAllgemeine Bestimmungen

§ 1

Standard Period of Study

The standard period of study in the Master's program "Organic and Molecular Electronics" comprises the participation in courses, self-study, supervised practical courses, and the Master's Examination.

§ 2

Examination Structure

The Master's Examination consists of module examinations, as well as the Master's thesis and defense. A module examination finalizes a module and usually includes exams or assignments, which are completed over the course of study.

§ 3

Dates and Deadlines

- (1) The Master's examination should be completed within the standard period of study. A Master's examination which was not completed within four semesters after the end of the standard period of study is considered failed. A failed Master's examination can be retaken once within a year time. After this deadline it is again classified as failed. A second re-examination is possible at the earliest possible examination date. Afterwards the Master's examination is considered definitively as failed.
- (2) The respective module examinations are to be taken till the end of the semester defined in the study plan.
- (3) The Technische Universität Dresden ensures that courses and assignments, as well as the Master's thesis and defense can be completed within the defined period of time. The students are informed in time about the type, number, and deadlines of required courses and assignments. The same applies to the issue and submission time of the Master's thesis and the Master's defense date. The students are informed about the possibility of re-taking exams for each module exam.
- (4) The times of maternity and parental leave do not count to the period of study or the ongoing deadlines.

§ 4

General Registration Requirements and Registration Procedure

- (1) The Master's examination can only be taken by students who
 1. are enrolled in the Master's program "Organic and Molecular Electronics" at Technische Universität Dresden and
 2. have fulfilled the relevant subject-related prerequisites (§ 25)
 3. have submitted a written or electronic statement on paragraph 4 no. 3.
- (2) Students are obliged to register for examinations. A subsequent de-registration is possible without stating a reason. Form and deadline of registration and de-registration are

defined by the Examination Board and communicated at the faculty at the beginning of each semester.

(3) The registration is effected:

1. For a module examination: by the first registration to an examination or an assignment of this module.
2. For the Master's thesis: by the application for a thesis topic or in case of § 20 section 3 clause 5, when the topic is assigned.
3. For the thesis defense: when the Master's thesis was graded as at least „sufficient“ (4,0).

(4) The registration is rejected when

1. The prerequisites of the section 1 or the procedures of the section 2 were not completed.
2. The documents are incomplete.
3. The student has definitively failed one of the examinations required for graduation of the Master's program „Organic and Molecular Electronics“.

(5) The Examination Board decides upon about the admission to the examination. The decision may be publicly announced. § 17 section 4 remains unaffected.

§ 5

Assessment Types

(1) Assessment types of the Master's program comprise:

1. Written examinations (§ 6),
2. Oral examinations (§ 7),
3. Projects (§ 8),
4. Reports (§ 9) and/ or
5. Other examination types (§ 10)

In modules which are subject to several examination regulations it is acceptable to apply synonyms to the types of examination identical in content. Multiple choice tests are not admissible as written examinations

(2) Course achievements and examinations are performed in English.

(3) If a student proves unable to complete examinations (partly or entirely) due to a long-lasting or permanent physical inability or a chronic illness, the chairman of the examination board will allow him or her to extend the examination deadline or to render an equivalent type of examination. The students are expected to provide a medical certificate or, in case of doubt, a certificate from a public health officer. The same regulations apply to the preparatory assessments.

(4) If a student proves unable to complete examinations within compulsory deadlines due to care for their own children under 14 or a close relative, the chairman of the examination board allows to render an equivalent type of examination upon application. Close relatives are children, parents, grandparents, spouses or life partners. The chairman of the examination board in consultation with the examiner in charge decides upon suitable proceedings.

The following measures of compensation can be considered: extended deadlines, breaks, use of other media or alternative locations on the campus, or another exam date. The same applies to the preparatory assessments.

§ 6

Written Examinations

(1) Written examinations verify students' ability to solve assignments and to elaborate on topics applying the necessary fundamental knowledge and the usual methods within a limited time and with limited means.

(2) Written examinations whose passing is the prerequisite for continuing studies, should (and in case of the last attempt have to) be evaluated by two examiners. The final grade is calculated from the average of the individual assessments pursuant to § 11 section 1. The duration of the evaluation procedure should not be longer than four weeks.

(3) The duration of a written exam is defined in module descriptions. It cannot fall below 90 minutes and exceed 20 minutes.

§ 7

Oral Examinations

(1) Oral examinations verify students' ability to recognize correlations within the exam subject matter as well as identify specific issues within these correlations. Furthermore, students have to prove to have the fundamental knowledge appropriate to the stage of studies.

(2) Oral examinations are usually conducted by at least two examiners (collegial examination) or one examiner in presence of a competent observer according to **Fehler! Verweisquelle konnte nicht gefunden werden..** They can be conducted either as individual or group examinations (up to three persons).

(3) Oral examinations comprise between 15 to 45 minutes. The actual length is defined in the respective module descriptions.

(4) The major subject matters and results of the oral examination are documented in the examination report. The student is informed about the result directly after the examination.

§ 8

Projects

(1) In projects students prove their ability to work in team and especially to develop, realize, and present scientific concepts. Furthermore, students should prove their ability to define goals within a complex task as well as to develop interdisciplinary solutions and concepts.

(2) For projects § 6 sec. 2 applies accordingly.

(3) The duration of projects is defined by the module descriptions and amounts to maximally 20 weeks.

(4) If the project is carried out in a group, a clear distinction of each student's contribution should be maintained for grading purposes and the requirements according to section 1 should be fulfilled.

§ 9

Seminar Papers

- (1) Seminar papers verify students' ability to process and present specific issues. The scope and form are defined by the topic.
- (2) § 6 section 2 clauses 1 and 2 apply accordingly. The lecturer in charge of the course where reports are assigned and (if applicable) presented should act as one of the examiners.
- (3) § 7 section 4 applies accordingly

§ 10

Other Assessment Types

- (1) The students should complete prescribed achievements by other controlled and gradable assessments whose character and scope is defined in the module descriptions. Other assessments comprise colloquia, reports, exercises, written assignments, computer-assisted tests and experiments, lab courses, (a collection of) records, lab reports, presentations.
- (2) A colloquium is a summarizing account of independently developed findings in a presentation followed by a subject-specific discussion.
- (3) A report is a summarizing account of independently developed findings in a scientific documentation.
- (4) Lab courses verify students' competencies of proper and effective handling of devices and equipment while investigating specific chemical or physico-technical topics. A lab report is a formal record of the lab course's outcomes, where students prove their ability to scientifically analyze, appropriately present, and discuss the courses' results. In comparison, a lab record documents the procedure, the subject matter, the result and the competencies acquired while working on a subject-related task.
- (5) Exercises prove that students are able to apply the module's subject matter to solve a series of theoretical and practical tasks. Computer-assisted tests demonstrate that students are able to apply theoretical knowledge to defined learning structures. During experimentation students show that they can reliably identify, prove and/or depict selected physical or chemical phenomena.
- (6) A presentation is an oral report carried out by one or several students. It provides a structured outline of independent work results, where visual aids are applied.
- (7) A written assignment is a written research paper consisting of one or several written studies on problem statements comprising max. 30 hours.
- (8) For other written assessments § 6 section 2 applies accordingly. For non-written assessments § 7 section 2 and 4 apply accordingly.

§ 11

Evaluation of Assessments, Grading Procedure, Announcement of Results

(1) The individual assessments are evaluated by the respective examiners. The following grading system applies:

1	=	very good	=	an excellent performance;
2	=	good	=	a performance that stands out considerably from the average
3	=	average	=	a performance that meets average requirements;
4	=	sufficient	=	a performance that still meets the requirements in spite of some inadequacies
5	=	insufficient	=	a performance that does not meet the requirements due to substantial inadequacies

For the differentiated evaluation the individual grades may be raised or reduced by 0.3 to obtain intermediate values; grades 0.7, 4.3, 4.7 and 5.3 are not admissible.

An individual assessment may be evaluated merely as „passed“ or „fail“ (ungraded assessment) if the respective module description allows for this exception. Ungraded assessments which are rated as „pass“ do not enter further grade calculations. Ungraded assessments which are rated as „fail“ enter further grade calculations as grade 5 (insufficient);

(2) The module grade is calculated from the assessments grades of the respective module as prescribed in the module descriptions. Only the first decimal place after the coma is taken into consideration, any further ones will be eliminated without rounding.

The module grade reads as following:

Up to and including 1,5	=	very good
from 1,6 up to and including 2,5	=	good
from 2,6 up to and including 3,5	=	average
from 3,6 up to and including 4,0	=	sufficient
from 4,1	=	insufficient

(3) Module examinations, which solely consist of one ungraded assessment, are rated as „pass“ or „fail“ (ungraded module examinations) in accordance with the evaluation of the assessment. Ungraded module examinations do not enter further grade calculations.

(4) A final overall grade is calculated for the Master's examination. The final grade of the Master's examination consists of the Master's thesis' final grade, to which a weighting factor of 30 is applied, and the module grades that are weighted on the basis of the credit points according to § 26 sec. 1. The overall grade given for the Master's thesis is a combination of the grade given for the Master's thesis with a weighting factor of 4 and the grade given for the defense with a weighting factor of 1. For the calculation of the overall and final grades, sec. 2 clauses 2 and 3 shall apply mutatis mutandis.

In case of extraordinary achievements (if the average grade is 1.2 or better and the overall grade earned for the Master thesis is 2.0 or better), the overall rating is „passed with distinction“.

(5) The total grade given for the Master's examination is additionally submitted a relative grade in accordance with the ECTS grading scale.

(6) The arrangements concerning the announcement of exam results are to be communicated to students as it is customary at the faculty.

§ 12

Non-Appearance, Withdrawal, Cheating, Breach of Regulations

(1) An assessment is evaluated with grade „insufficient“ (5.0) or „fail“ if the student fails to appear for a binding exam date or if he or she withdraws from an exam they registered for without a good reason. The same applies when an assessment is not completed within the deadline.

(2) The student has to announce and substantiate in writing the good reason for the withdrawal or the non-appearance and immediately to the Examination Office. In case of illness, the student may be asked to produce a medical certificate and, if there is reasonable doubt, evidence by a medical officer of health. An illness of a student and an illness of a child for which the student has the sole parental responsibility are equivalent with regard to the adherence to deadlines for the first exam registration, retaking exams, reasons for non-appearance, and the adherence to time limits. If the reason is acknowledged, a new date will be appointed. In this case, the already submitted exam results are taken into consideration for the final result. The Examination Board decides upon the authorization of the withdrawal or the reason for a non-appearance.

(3) If a student attempts to manipulate the result of the assessment by cheating or the use of non-permitted means, the assessment concerned will be evaluated as „insufficient“ (5.0). Accordingly, ungraded assessments are evaluated as „fail“. Students who obstruct the proper course of an exam, can be excluded from completing the assessment by the examiner or the proctor. In this case, the assessment is graded as „insufficient“ (5.0) or „fail“. In grave cases, the Examination Board may exclude the student from completing further assessments.

(4) Sections 1 to 3 apply accordingly for assignments prerequisite for exams, the Master's thesis and the defense.

§ 13

Pass and Fail

(1) A module exam is passed if the module grade is „sufficient“ (4.0) or better or if the ungraded module exam is assessed as „pass“. Moreover, in cases defined in the module descriptions passing the module exam depends on passing individual assessments. If the student passed the module exam, they earn the credit points that are assigned to the module in the module description.

(2) The Master's examination is passed after all required module examinations, the Master's thesis and the defense are all passed and graded as at least "sufficient" (4,0).

(3) A module exam consisting of several assessments is failed at the first attempt if the module exam defined as decisive according to paragraph 1 clause 2 is not passed with at least "sufficient" (4,0) or the module grade calculated pursuant to § 11 paragraph 2 is lower than "sufficient" (4,0).

(4) A module examination is failed definitively if the module grade is lower than "sufficient" (4,0) or a module exam was evaluated as "failed" and it can no longer be retaken. The Master's thesis and defense are failed definitively if they were graded lower than "sufficient" (4,0) and they can no longer be retaken.

(5) A Master's examination is failed or failed definitively if a module examination, the Master's thesis or thesis defense are failed or failed definitively. § 3 paragraph 1 remains unaffected.

(6) If a student fails a module examination or their Master's thesis or defense is graded lower than "sufficient" (4,0), they will be informed about the scope and deadline of a re-take.

(7) If a student fails the Master's examination, they can apply for a certificate listing exams completed to date, including grades, as well as missing examinations and information about failing the Master's examination. Appropriate proof of academic achievements and exmatriculation certificate are required.

§ 14

Free Trial

(1) Upon presenting the necessary admission requirements, module examinations can be taken before the semesters defined in the study plan (Annex 2 of the Study Regulations) as a free trial.

(2) Exams and assessments passed or graded as at least "sufficient" (4,0) in a free trial can be retaken upon application to improve the grade during the next regular exam date. In these cases the better grade counts. Form and deadline of the application are defined by the Examination Board and communicated at the faculty as usual. After the regular exam date or after the application deadline has passed, it is no longer possible to improve the grade. In case of retaking module examination for the grade improvement, exam results evaluated as at least "sufficient" (4,0) in a free trial can be calculated for the final module grade upon application.

(3) An exam failed in a free trial is considered not taken. Exams evaluated as at least "sufficient" (4,0) or "passed" are taken into account in the subsequent examination and grade calculation procedure. If the students takes the opportunity to improve the grade pursuant to paragraph 2, the better grade will count.

(4) In addition to § 3 paragraph 4, the times of study interruptions due to a long illness of a students or a child in their custody, as well as study periods abroad are not taken into account for the application of free trial regulations.

§ 15

Retaking Module Examinations

- (1) Failed module examinations can be retaken once within a year after the first attempt. This period starts upon the announcement of the exam results. After this deadline, the exam is considered failed in the second attempt. An assessment, which has not yet been graded pursuant to § 13 paragraph 3 clause 2, can be retaken at the next available exam date, if the module exam repeated pursuant to clause 1 has not been passed due to not being graded as at least "sufficient" (4,0). Pursuant to §3, section 1, clause 2, a failure to meet the deadline also results in the evaluation as "fail". If the assessment is retaken pursuant to clause 4, it will be regarded as the first retake of the module examination.
- (2) A second makeup exam can be taken only at the next possible examination date. Afterwards it is considered failed definitively. Another makeup exam is not permitted.
- (3) A makeup of a module examination consisting of several assessments comprises only assessments not graded as at least "sufficient" (4,0) or "passed".
- (4) Retaking passed module examinations is allowed only in cases described in the §14 section 2 and comprises all assessments.
- (5) Unsuccessful attempts to pass the module examination from the same or other study courses will be transferred.

§ 16

Recognition of Study Periods, Academic Achievements and Assessments, as well as Non-Academic Competencies

- (1) Academic achievements and assessments attained at another academic institution can be recognized upon application if there are no substantial differences regarding acquired competencies. Other agreements of the Technische Universität Dresden, HRK, KMK, as well as those ratified by the Federal Republic of Germany are to be considered where applicable.
- (2) Equivalent qualifications attained outside of academic institutions can be recognized upon application. Achievements are considered equivalent when their content, scope, and requirements essentially correspond to the parts of the study course „Organic and Molecular Electronics“ at the Technischen Universität Dresden. This is not an issue of a schematic comparison but rather an overall consideration and evaluation of achievements. No more than 50 % of study achievements can be substituted by non-academic qualifications.
- (3) Academic achievements and assessments attained in the Federal Republic of Germany at the same study course will be acknowledged.
- (4) Achievements and assessments attained at another academic institution can be recognized in spite of significant differences if their contents and objectives correspond with those of the respective option within this Master's course and therefore constitute a structural equivalence. The Master's degree certificate will contain the actual achievements and assessments.

(5) If academic achievements and assessments are recognized according to sections 1, 3, or 4 or non-academic qualifications are acknowledged pursuant to section 2, the official recognition of respective study periods will ensue. As long as the grading systems are comparable, the grades will be adopted and considered in the calculation of the final grade. If the grading systems are not comparable, the notation "passed" will be applied and the grades will not be taken into consideration for the final grade. Recognition of grades and study periods may be marked as such in the certificate.

(6) The examination board decides upon the recognition. The student is to provide all the required documents. From this point in time, the recognition process may not take longer than one month. If the assessment or achievements are not recognized, § 17, section 4, clause 1 applies.

§ 17

Examination Board

(1) The examination board of the Master's program "Organic & Molecular Electronic" is created to carry out and organize examinations and tasks specified in the examination regulations. The examination board comprises three academic lecturers, a research associate, and a student member. With the exception of the student member, the term of office is three years. The term of office of the student member is one year.

(2) The chairperson, their deputy, as well as a further member and their deputy are appointed by the Faculty of Science. The student members are called at the recommendation of the council of student representatives of the Physics department. The chairperson usually manages the affairs of the examination committee.

(3) The examination board ensures that the provisions of the examination regulations are observed. It reports regularly to the faculty council about the developments in examination and study periods, including the actual time required to complete the Master's thesis, as well as the distribution of the module and overall grades. The report is to be disclosed by the Technische Universität Dresden in an appropriate manner. The examination board provides suggestions to changes in the examination regulations, the study regulations, the module descriptions, and the study plan.

(4) Disadvantageous decisions are to be communicated and justified to the student concerned in a written form, including the information on available legal remedies. The examination board decides as the examination authority upon the appeals within reasonable time and issues the decisions.

(5) The members of the examination board are entitled to approve examinations and attend the defense.

(6) The members of the examination board and their deputies are subject to professional discretion. Unless they are civil servants, they are bound to secrecy by the chairperson.

(7) The examination office organizes examinations and manages examination documents on the basis of the decisions made by the examination board.

§ 18

Examiner and Observer

- (1) The examination board appoints as examiners university professors and other persons entitled to carry out examinations according to national law. Only a person who successfully passed the corresponding Master's examination or at least a comparable examination may be appointed as observer.
- (2) The student may suggest a supervisor for their Master's thesis. The proposal does not substantiate the claim.
- (3) The examiners' names should be announced to students in time.
- (4) § 17, section 6 applies accordingly for the examiner and observer.

§ 19

Goal of the Master's Examination

Passing the Master's examination results in awarding the study program degree, which establishes also the professional qualifications. It confirms that the study program goals determined in § 2, section 1 and 2 of the study regulations have been achieved

§ 20

Goal, Issue, Submission, Evaluation and Retaking of the Master's Thesis and Defense

- (1) The Master's thesis should demonstrate that the student is able to work on the study program subject matter independently, within a deadline and applying scientific methods.
- (2) The Master's thesis can be supervised by a professor or another person entitled to give examinations according to the *Sächsisches Hochschulgesetz* (Saxon Higher Education Act), as long as they are employed by the Technische Universität Dresden in the Master's program "Organic & Molecular Electronics." If the Master's thesis is to be supervised by a person employed outside the TU Dresden but entitled to give examinations, the consent of the examination board chairperson will be necessary.
- (3) The examination board assigns the topic of the Master's thesis. The topic and the assignment date are to go on records. The students may express topic preferences. Upon student's application, the examination board assigns the topic of the Master's thesis in due time. The topic will officially be assigned at the beginning of the semester following the completing of the last module examination at the latest.
- (4) The topic can be returned only once and only within six weeks after the assignment date. In case of retaking the Master's thesis, returning of the topic is allowed only unless the student used this possibility in the first attempt. If the student returns the topic, the new topic is to be assigned without delay pursuant to section 3 clause 1 to 3.
- (5) The Master's thesis can also be completed as a group work if the student's individual contribution is clearly distinguishable and assessable based on sections, page numbers and other objective criteria and fulfills the requirements specified in section 1.

(6) The Master's thesis is to be submitted in the examination office within the deadline, in English in two typed hardcover copies as well as in a digital copy. The submission date is to be documented. The student has to attach a written declaration to have written the thesis (or in case of a group work, the individual contribution) independently and listed all the used sources and means.

(7) The Master's thesis is to be graded by two examiners independently according to the §11 section 1 clause 1 to 3. The supervisor of the Master's thesis should be one of the graders. The grading time should not exceed two weeks.

(8) The Master's thesis' grade is calculated as an average of the examiners' individual grades. If the individual grades differ by more than two grades, the average grade will be valid as long as both examiners agree. If it is not the case, the examination board will consult a further examiner. The Master's thesis grade will then be calculated from the average of the three individual grades. § 11 section 2 clause 2 and 3 apply respectively.

(9) If an examiner graded the Master's thesis as „sufficient“ (4,0) and the second examiner as „not sufficient“ (5,0), the examination board will consult a further examiner. He or she will then decide upon passing or failing of the Master's thesis. If the Master's thesis is then evaluated as passed, the grade will be calculated from the average passing grades, otherwise from the average failing grades. § 11 section 2 clause 2 and 3 apply respectively.

(10) If the Master's thesis is graded as less as „sufficient“ (4,0), it can be retaken once within a year. A second retake is not possible.

(11) The student has to explain their Master's thesis in a public thesis defense before the thesis' supervisor as examiner and an observer. Further examiners can be appointed. Section 10, §7 section 4, and § 11 section 1 clauses 1 to 3 apply accordingly.

§ 21

Master's Degree Certificate

(1) Upon passing the Master's examination, the student receives a certificate, if possible within 6 weeks. The certificate comprises the module grades according to § 26 section 1, the topic of the Master's thesis, its grade and supervisor, as well as the overall grade. On student's application, the certificate may include the grading of additional modules and duration of studies. The grades of individual assessments are listed in the annex to the Master's certificate.

(2) Together with the Master's examination certificate, the student receives the dated Master's degree certificate. This is to certify that the student has earned the Master's degree. The Master's degree certificate is signed by the rector and the chairperson of the examination board and bears the round seal of Technische Universität Dresden. Additionally, students are awarded the Master's degree certificate and the Master's examination certificate in English.

(3) The certificate bears the date when the student completed the last part of the examination pursuant to §13 par. 2. The certificate is signed by the chairperson of the examination board and bears the round seal of Technische Universität Dresden. Additionally, the certificate is signed by the Dean of the Faculty of Science.

(4) The Technische Universität Dresden issues a Diploma Supplement (DS) following the „Diploma Supplement Model“ of the European Union/Council of Europe/UNESCO. The text, which has been agreed upon by KMK and HRK, shall be used in its current version to describe the national education system (DS section 8).

§ 22

Invalid Master's Examination

(1) If a student cheated during an exam or assessment and this becomes known only after s/he has been handed over the certificate, the assessment of the exam can be modified pursuant to § 13 par. 3. Where appropriate, the examination committee can declare the module exam as „insufficient“ (5.0) and the Master's examination as „fail“. The same applies accordingly to the Master's thesis and the defense.

(2) If the prerequisite for taking a module examination were not fulfilled without the student attempting a fraud and this fact became known only after the student has been handed over the certificate, this defect can be remedied by passing the module examination. If the student acted deliberately, the examination board can declare the module examination as “not sufficient” (5,0) and failed and the Master's examination as “failed”. This applies accordingly to the Master's thesis and defense.

(3) The student shall receive the opportunity to comment on the case before a decision is made.

(4) The incorrect certificate is to be revoked by the chairperson of the examination board. The new certificate will be issued where appropriate. If the Master's examination is declared “failed” due to fraud, Master's degree certificate, all translations and diploma supplements will be revoked along the wrongly issued certificate. The decision in accordance with sections 1 and 2, clause 2 or 3 cannot be made after five years of the certificate's issue date.

§ 23

Access to Examination Records

On application, the student has the right to access and examine his or hers written examinations, their assessments and examination records within a year after completing the examination.

Part 2: Subject-Specific Provisions

§ 24

Duration, Structure and Scope of Studies

- (1) Pursuant to § 1 the standard period of studies is four semesters.
- (2) The course of studies has a modular structure and is completed with the Master's thesis and the defense.
- (3) By passing the Master's examination, the student earns a total of 120 credit points in the modules, the Master's thesis and the defense.

§ 25

Subject-Specific Prerequisites for the Master's Examination

Course assignments can be required as prerequisites for module examinations. Their amount, type, and organization are to be determined in the module descriptions. The number of retakes might also be limited. Before the Master's thesis registration, all compulsory modules with the exception of "Major", "Minor" and maximally one further module have to be completed. Before the Master's thesis defense, the Master's thesis has to be successfully completed.

§ 26

Subject, Type and Scope of the Master's Examination

- (1) The Master's examination comprises all compulsory module examinations, the selected elective modules, as well as Master's thesis and defense.
- (2) Compulsory modules are:
 - Concepts of Molecular Modelling
 - Semiconductor Technology
 - Organic Semiconductors
 - Basics Module
 - Optoelectronics
 - Molecular Electronics
 - Materials for Nanoelectronics and Printing Technology
 - Physical Characterization of Organic and Organic-Inorganic Thin Films
 - Project Work
 - Major
 - Minor
- (3) Elective modules, from which one has to be selected and completed, comprise:
 - German Language
 - Current Topics in Materials Science

- Academic and Scientific Work
- Investing in a Sustainable Future

(4) The module descriptions determine the required module examinations, their type and organization. Unless otherwise defined in the module descriptions, the contents and competencies acquired in the module are the subject of examination.

(4) The student may take exams in modules other than specified in the section 1 (additional modules). These module examinations may be chosen as facultative from the overall module offer of the Technische Universität Dresden or a cooperating institution of higher education upon agreement with the lecturer. They enter neither the calculation of the total work load, nor the calculation of the final grade.

§ 27

Master's Thesis Submission and Defense Process

(1) The time allowed for writing the thesis is 23 weeks. 29 credit points are awarded upon a successful thesis' completion. The supervisor determines the thesis topic, approach, and scope to ensure that the thesis is completed within the deadline. In exceptional cases, the examination board can extend the time for writing the thesis for further 13 weeks at most, the number of credit points remains unaffected.

(2) The defense lasts 60 minutes. Students earn one credit point.

§ 28

Master's Degree

After the successful completion of the Master's examination the university degree „Master of Science“ (M.Sc.) is awarded.

Part 3: Final Provisions

§ 29

Clarification of Applicability and Announcement

These examination regulations come into force on 01.10.2014 and are announced in the Official Notes of Technische Universität Dresden.

Issued on the basis of the decision of the faculty council of the Faculty of Science on 13 June 2012 and the approval of the rectorial board of #date#.

Dresden, #date of issue#

The Rector
of Technische Universität Dresden